

# 55 SERIES 1.0 GHz OUTDOOR TAPS [DT55G-SR-CB-x-x-x]

Cable Products, Mainline Passives

## Description

Taikana's 55 series taps have been designed with the future of the CATV industry in mind. All units come complete with a factory installed power passing bar for uninterrupted service when the faceplate is removed. Interchangeable faceplates allow for future network growth while minimizing costly equipment upgrades for cable providers. All taps are backed by Taikana's one year limited warranty. \*

## Features

- 5-1002 MHz Bandwidth (1.2 GHz option also available)
- 12 A Current Capacity
- Aluminum Alloy Housing used for Corrosion Resistance
- Neoprene Weather Gasket and RFI Shielding at 120 dB
- Blocking Capacitors on the "F" ports for Extended Surge Resistance
- ANSI/SCTE 01-2015 Fully Compliant F-Connectors
- Epoxy Sealed and Nickel Plated Brass "F" Ports
- Operational Temperature Range -40°C to +60°C (-40°F to +140°F)
- Double Polyurethane Coating for Greater Weather Protection
- Power Passing Option: CB: Continuous Through Signal w/o Faceplate
- Easily Interchangeable 2/4 Port Faceplates
- Aerial or Pedestal Installation for Outdoor Use
- Compliant with SCTE Guidelines
- Printed Circuit Boards
- SCA Equalizable Tap Options Available
- Splitter and Coupler Options Available
- Flatness In/Out:  $\pm 0.5$ , Flatness In/Tap:  $\pm 0.5$
- Connector: 5/8" - 24 NEF Female for In/Out
- Surge Withstand: IEEE C62.41-1991 Category B3/6kV Combination Wave, 3000 A



## Ordering Information

DT55G - SR - CB - SCA - Port - dB Value



SCA (Signal Conditioning Accessory) \*Not Standard / Not Available in the US

Model Number	Inner Box	Standard Carton	Carton Weight	dB Values Available
DT55G-SR-CB-x-x-2xx	10 pcs	50 pcs	18 kg / 39 lbs	-04T, -08, -11, -14, -17, -20, -23, -26, -29, -32, -35
DT55G-SR-CB-x-x-4xx	10 pcs	50 pcs	19 kg / 41 lbs	-08T, -11, -14, -17, -20, -23, -26, -29, -32, -35
DT55G-SR-CB-x-x-8xx	10 pcs	40 pcs	23 kg / 50 lbs	11T, -14, -17, -20, -23, -26, -29, -32, -35 -04T, -08,
DT55G-SR-CB-x-82xx	10 pcs	40 pcs	23 kg / 50 lbs	-11, -14, -17, -20, -23, -26, -29, -32 -08T, -11, -14,
DT55G-SR-CB-x-84xx	10 pcs	40 pcs	23 kg / 50 lbs	-17, -20, -23, -26, -29, -32, -35

\* Please refer to <http://www.taikana.com/Downloads/warranty.pdf> for our warranty service agreement

## 2 Port Specifications - 1.0 GHz

Customization available upon request

### Insertion Loss (dB)

Frequency	4T	8		11		14		17		20		23		26		29		32/35	
		Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ
5-42 MHz	T	3.4	3.1	1.8	1.2	1.0	0.8	0.9	0.7	0.8	0.5	0.8	0.4	0.8	0.4	0.8	0.4	0.8	0.4
42-400 MHz	T	3.6	3.5	2.0	1.8	1.3	1.2	1.0	0.9	1.0	0.9	1.0	0.8	1.0	0.8	1.0	0.8	1.0	0.8
400-750 MHz	T	4.5	4.2	2.4	2.2	1.5	1.5	1.4	1.1	1.2	1.0	1.2	1.0	1.2	1.0	1.2	1.0	1.2	1.0
750-1002 MHz	T	4.8	4.5	3.3	3.0	2.6	1.7	2.0	1.5	2.0	1.4	1.8	1.3	1.8	1.3	1.8	1.3	1.8	1.3

### Tap Value (dB) Tolerance: ± 1.0

Frequency	4T	8	11	14	17	20	23	26	29	32	35
5-600 MHz	4	8	11	14	17	20	23	26	29	32	35
600-800 MHz	4	8	11	14	17	20	23	26	29	32	35
800-1002 MHz	4	8	11	14	17	20	23	26	29	32	35

### Tap to Tap Isolation (dB)

Frequency	4T	8	11	14	17	20	23	26	29	32	35
5-15 MHz	22	22	22	22	22	22	22	22	22	22	22
15-42 MHz	25	25	25	25	25	25	25	25	25	25	25
42-600 MHz	25	25	25	25	25	25	25	25	25	25	25
600-1002 MHz	22	22	22	22	22	22	22	22	22	22	22

### Output to Tap Isolation (dB)

Frequency	4T	8	11	14	17	20	23	26	29	32	35
5-15 MHz	T	22	22	24	27	30	35	38	40	44	44
15-400 MHz	T	23	26	30	30	34	36	38	42	45	45
400-750 MHz	T	22	22	22	28	30	32	32	32	32	32
750-1002 MHz	T	22	22	22	28	30	32	32	32	32	32

### Input / Output / Tap Return Loss (dB)

Frequency	4T	8	11	14	17	20	23	26	29	32	35
5-15 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
15-42 MHz	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18
42-400 MHz	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18
400-1002 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16

### Hum Modulation @ 10 A (dB)

5-1002 MHz	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60
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General Specifications: Power Passing 12 A, 60/90 VAC

## 4 Port Specifications - 1.0 GHz

Customization available upon request

### Insertion Loss (dB)

Frequency	8T	11		14		17		20		23		26		29		32		35	
		Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ
5-42 MHz	T	3.2	3.2	1.8	1.6	1.0	0.9	1.0	0.7	1.0	0.4	0.8	0.4	0.8	0.4	0.8	0.4	0.8	0.4
42-400 MHz	T	3.5	3.4	2.0	1.8	1.3	1.2	1.0	0.9	1.0	0.8	1.0	0.8	1.0	0.8	1.0	0.8	1.0	0.8
400-750 MHz	T	4.5	4.2	2.4	2.2	1.5	1.3	1.4	1.2	1.2	1.0	1.2	1.0	1.2	1.0	1.2	1.0	1.2	1.0
750-1002 MHz	T	4.8	4.5	3.5	3.0	2.6	1.7	2.0	1.6	1.8	1.4	1.8	1.3	1.8	1.3	1.8	1.3	1.8	1.3

### Tap Value (dB) Tolerance: ± 1.0

Frequency	8T	11	14	17	20	23	26	29	32	35
5-600 MHz	8	11	14	17	20	23	26	29	32	35
600-800 MHz	8	11	14	17	20	23	26	29	32	35
800-1002 MHz	8	11	14	17	20	23	26	29	32	35

### Tap to Tap Isolation (dB)

Frequency	8T	11	14	17	20	23	26	29	32	35
5-15 MHz	22	22	22	22	22	22	22	22	22	22
15-42 MHz	25	25	25	25	25	25	25	25	25	25
42-600 MHz	25	25	25	25	25	25	25	25	25	25
600-1002 MHz	22	22	22	22	22	22	22	22	22	22

### Output to Tap Isolation (dB)

Frequency	8T	11	14	17	20	23	26	29	32	35
5-15 MHz	T	22	22	22	27	35	38	40	42	44
15-400 MHz	T	25	27	30	33	33	34	42	44	45
400-750 MHz	T	24	25	28	30	30	30	39	41	43
750-1002 MHz	T	22	23	24	25	24	25	27	31	32

### Input / Output / Tap Return Loss (dB)

Frequency	8T	11	14	17	20	23	26	29	32	35
5-15 MHz	16	16	16	16	16	16	16	16	16	16
15-42 MHz	18	18	18	18	18	18	18	18	18	18
42-400 MHz	18	18	18	18	18	18	18	18	18	18
400-1002 MHz	16	16	16	16	16	16	16	16	16	16

### Hum Modulation @ 10 A (dB)

5-1002 MHz	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60
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General Specifications: Power Passing 12 A, 60/90 VAC

## 8 Port Specifications - 1.0 GHz

Customization available upon request

### Insertion Loss (dB)

Frequency	11T	14		17		20		23		26		29		32		35	
		Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ
5-42 MHz	T	3.2	3.2	1.8	1.6	1.1	0.9	1.0	0.9	1.0	0.4	0.8	0.4	0.8	0.4	0.8	0.4
43-400 MHz	T	3.5	3.4	2.0	1.8	1.3	1.2	1.3	0.9	1.0	0.8	1.0	0.8	1.0	0.8	1.0	0.8
401-750 MHz	T	4.5	4.2	2.4	2.2	1.5	1.3	1.5	1.1	1.2	1.0	1.2	1.0	1.2	1.0	1.2	1.0
751-1002 MHz	T	4.8	4.5	3.5	3.0	2.2	2.0	2.2	1.6	1.8	1.4	1.8	1.3	1.8	1.3	1.8	1.3

### Tap Value (dB) Tolerance: ± 1.0

Frequency	11T	14	17	20	23	26	29	32	35
5-600 MHz	11	14	17	20	23	26	29	32	35
601-800 MHz	11	14	17	20	23	26	29	32	35
801-1002 MHz	11	14	17	20	23	26	29	32	35

### Tap to Tap Isolation (dB)

Frequency	11T	14	17	20	23	26	29	32	35
5-15 MHz	22	22	22	22	22	22	22	22	22
16-42 MHz	25	25	25	25	25	25	25	25	25
43-600 MHz	25	25	25	25	25	25	25	25	25
601-1002 MHz	22	22	22	22	22	22	22	22	22

### Output to Tap Isolation (dB)

Frequency	11T	14	17	20	23	26	29	32	35
5-15 MHz	T	22	22	26	31	35	38	40	42
16-400 MHz	T	28	28	30	33	34	35	42	44
401-750 MHz	T	25	25	25	28	28	30	32	32
751-1002 MHz	T	23	23	25	28	28	28	31	32

### Input / Output / Tap Return Loss (dB)

Frequency	11T	14	17	20	23	26	29	32	35
5-15 MHz	16	16	16	16	16	16	16	16	16
16-42 MHz	18	18	18	18	18	18	18	18	18
43-400 MHz	18	18	18	18	18	18	18	18	18
401-1002 MHz	16	16	16	16	16	16	16	16	16

### Hum Modulation @ 10 Amp (dB)

5-1002 MHz	-60	-60	-60	-60	-60	-60	-60	-60	-60
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General Specifications: Power Passing 12 A, 60/90 VAC

# 55 SERIES 1.218 GHz OUTDOOR TAPS

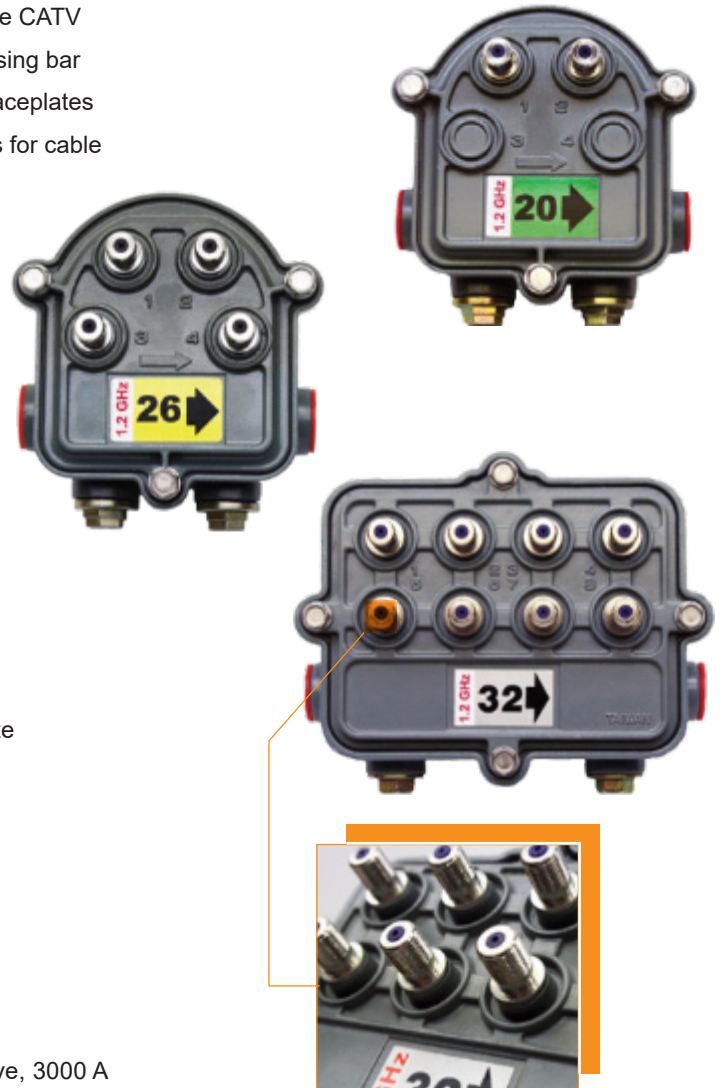
[DT55V-SR-CB-x-x-x] Cable Products, Mainline Passives

## Description

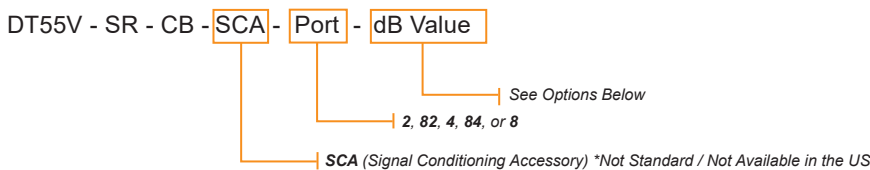
Taikan's 55 series 1.218 GHz taps have been designed with the future of the CATV industry in mind. All units come complete with a factory installed power passing bar for uninterrupted service when the faceplate is removed. Interchangeable faceplates allow for future network growth while minimizing costly equipment upgrades for cable providers. All taps are backed by Taikan's one year limited warranty. \*

## Features

- Supports DOCSIS 3.1 Expanded Bandwidth up to 1218 MHz
- 5-1218 MHz Bandwidth
- 12 A Current Capacity
- Aluminum Alloy Housing used for Corrosion Resistance
- Neoprene Weather Gasket and RFI Shielding at 120 dB
- Blocking Capacitors on the "F" ports for Extended Surge Resistance
- ANSI/SCTE 01-2015 Fully Compliant F-Connectors
- Epoxy Sealed and Nickel Plated Brass "F" Ports
- Double Polyurethane Coating for Greater Weather Protection
- Operational Temperature Range -40°C to +60°C (-40°F to +140°F)
- Power Passing Option: CB: Continuous Through Signal without Faceplate
- Easily Interchangeable 2/4 Port Faceplates
- Aerial or Pedestal Installation for Outdoor Use
- Compliant with SCTE Guidelines
- SCA Equalizable Tap Options Available
- Splitter and Coupler Options Available
- Flatness In/Out: ± 0.5, Flatness In/Tap: ± 0.5
- Connector: 5/8" - 24 NEF Female for In/Out
- Surge Withstand: IEEE C62.41-1991 Category B3/6kV Combination Wave, 3000 A



## Ordering Information



Model Number	Inner Box	Standard Carton	Carton Weight	dB Values Available
DT55V-SR-CB-x-x-2xx	10 pcs	50 pcs	18 kg / 39 lbs	-04T, -08, -11, -14, -17, -20, -23, -26, -29, -32, -35
DT55V-SR-CB-x-x-4xx	10 pcs	50 pcs	19 kg / 41 lbs	-08T, -11, -14, -17, -20, -23, -26, -29, -32, -35
DT55V-SR-CB-x-x-8xx	10 pcs	40 pcs	23 kg / 50 lbs	-11T, -14, -17, -20, -23, -26, -29, -32, -35
DT55V-SR-CB-x-x-82xx	10 pcs	40 pcs	23 kg / 50 lbs	-04T, -08, -11, -14, -17, -20, -23, -26, -29, -32
DT55V-SR-CB-x-x-84xx	10 pcs	40 pcs	23 kg / 50 lbs	-08T, -11, -14, -17, -20, -23, -26, -29, -32, -35

\* Please refer to <http://www.taikan.com/Downloads/warranty.pdf> for our warranty service agreement





Customization available upon request

Insertion Loss (dB)

Frequency	4T	8		11		14		17		20		23		26		29		32 / 35	
		Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ
5-10 MHz	T	3.8	3.2	1.8	1.5	1.3	1.1	1.3	1.1	1.0	0.8	1.0	0.8	0.9	0.7	0.9	0.7	0.9	0.7
10-65 MHz	T	3.6	3.0	1.6	1.4	1.1	0.8	1.1	0.7	0.8	0.6	0.8	0.6	0.7	0.6	0.7	0.5	0.7	0.5
65-300 MHz	T	4.0	3.4	1.8	1.5	1.3	0.9	1.2	0.8	0.9	0.7	0.9	0.7	0.9	0.7	0.8	0.6	0.8	0.6
300-550 MHz	T	4.7	4.0	2.5	2.1	1.9	1.4	1.7	1.1	1.3	0.9	1.3	0.9	1.3	0.8	1.2	0.8	1.2	0.8
550-750 MHz	T	5.0	4.3	2.7	2.3	2.1	1.4	1.8	1.2	1.5	1.0	1.5	1.0	1.4	0.8	1.3	0.8	1.3	0.8
750-862 MHz	T	5.0	4.3	3.0	2.5	2.3	1.5	2.0	1.2	1.8	1.3	1.7	1.2	1.7	0.9	1.4	0.9	1.4	0.9
862-1000 MHz	T	5.1	4.4	3.1	2.6	2.4	1.6	2.1	1.3	1.9	1.3	1.8	1.2	1.8	1.1	1.5	1.1	1.5	1.1
1000-1218 MHz	T	5.3	4.6	3.3	3.0	2.6	2.0	2.3	1.8	2.1	1.5	2.0	1.5	2.0	1.5	1.8	1.5	1.8	1.5

Tap Value (dB) ± 1.0 (± 1.5 860-1218MHz)

Frequency	4T	8	11	14	17	20	23	26	29	32 / 35
5-65 MHz	4	8	11	14	17	20	23	26	29	32 / 35
65-860 MHz	4	8	11	14	17	20	23	26	29	32 / 35
860-1218 MHz	4	8	11	14	17	20	23	26	29	32 / 35

Tap to Tap Isolation (dB)

Frequency	(Max)	4T	8	11	14	17	20	23	26	29	32 / 35
		5-10 MHz	18	18	18	18	18	18	18	18	18
10-65 MHz	26	26	26	26	26	26	26	26	26	26	26
65-860 MHz	24	24	24	24	24	24	24	24	24	24	24
860-1218 MHz	22	22	22	22	22	22	22	22	22	22	22

Out to Tap Isolation (dB)

Frequency	(Max)	4T	8	11	14	17	20	23	26	29	32 / 35
		5-10 MHz	T	21	23	24	26	27	29	30	32
10-65 MHz	T	27	29	30	32	33	35	36	38	39 / 41	
65-860 MHz	T	25	27	28	30	31	33	34	36	37 / 39	
860-1218 MHz	T	23	25	26	28	29	31	32	34	35 / 37	

Return Loss (dB)

Frequency	(Min)	4T	8	11	14	17	20	23	26	29	32 / 35
		5-10 MHz	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15
10-47 MHz	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18
47-950 MHz	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18
950-1218 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16

Hum Modulation (dB) @ 12 A

Frequency	(Min)	4T	8	11	14	17	20	23	26	29	32 / 35
		5-700 MHz	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60
700-1218 MHz	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50

General Specifications: Power Passing 12 A, 60/90 VAC

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## 4 Port Specifications - 1.218 GHz

Customization available upon request

### Insertion Loss (dB)

Frequency		8T		11		14		17		20		23		26		29		32		35		
		Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	
Frequency	5-10 MHz	T	3.8	3.2	1.8	1.5	1.3	1.1	1.3	1.1	1.0	0.8	1.0	0.8	0.9	0.7	0.9	0.7	0.9	0.7	0.9	0.7
	10-65 MHz	T	3.6	2.9	1.6	1.3	1.1	0.8	1.1	0.7	0.8	0.6	0.8	0.6	0.7	0.5	0.7	0.5	0.7	0.5	0.7	0.5
	65-300 MHz	T	4.0	3.2	1.8	1.5	1.3	0.9	1.2	0.8	0.9	0.6	0.9	0.6	0.9	0.6	0.8	0.6	0.8	0.6	0.8	0.5
	300-550 MHz	T	4.7	3.8	2.5	2.0	1.9	1.4	1.7	1.0	1.3	0.8	1.3	0.8	1.3	0.8	1.2	0.7	1.2	0.7	1.2	0.7
	550-750 MHz	T	5.0	4.0	2.7	2.2	2.1	1.5	1.8	1.1	1.5	1.0	1.5	1.0	1.4	1.0	1.3	0.9	1.3	0.9	1.3	0.9
	750-862 MHz	T	5.0	4.0	3.0	2.4	2.3	1.6	2.0	1.2	1.8	1.1	1.7	1.1	1.7	1.1	1.4	0.9	1.4	0.9	1.4	0.9
	862-1000 MHz	T	5.1	4.1	3.1	2.5	2.4	1.7	2.1	1.3	1.9	1.2	1.8	1.2	1.8	1.2	1.5	1.0	1.5	1.0	1.5	1.0
	1000-1218 MHz	T	5.3	4.2	3.6	3.0	2.6	2.0	2.3	1.8	2.1	1.5	2.0	1.5	2.0	1.5	1.8	1.5	1.8	1.5	1.8	1.5

### Tap Value (dB) ± 1.0 (± 1.5 860-1218MHz)

Frequency		8T	11	14	17	20	23	26	29	32	35
5-65 MHz		8	11	14	17	20	23	26	29	32	35
65-860 MHz		8	11	14	17	20	23	26	29	32	35
860-1218 MHz		8	11	14	17	20	23	26	29	32	35

### Tap to Tap Isolation (dB)

(Max)

Frequency		8T	11	14	17	20	23	26	29	32	35
5-10 MHz		18	18	18	18	18	18	18	18	18	18
10-65 MHz		26	26	26	26	26	26	26	26	26	26
65-860 MHz		24	24	24	24	24	24	24	24	24	24
860-1218 MHz		22	22	22	22	22	22	22	22	22	22

### Out to Tap Isolation (dB)

(Max)

Frequency		8T	11	14	17	20	23	26	29	32	35
5-10 MHz		T	23	24	26	27	29	30	32	33	35
10-65 MHz		T	29	30	32	33	35	36	38	39	41
65-860 MHz		T	27	28	30	31	33	34	36	37	39
860-1218 MHz		T	25	26	28	29	31	32	34	35	37

### Return Loss (dB)

(Min)

Frequency		8T	11	14	17	20	23	26	29	32	35
5-10 MHz		≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15
10-47 MHz		≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18
47-950 MHz		≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18
950-1218 MHz		≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16

### Hum Modulation (dB) @ 12 A

(Min)

Frequency		8T	11	14	17	20	23	26	29	32	35
5-700 MHz		≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60
700-1218 MHz		≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50

### General Specifications: Power Passing 12 A, 60/90 VAC

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Customization available upon request

Insertion Loss (dB)

Frequency	11T	14		17		20		23		26		29		32		35	
		Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ
5-10 MHz	T	3.8	3.2	1.8	1.5	1.3	1.1	1.3	1.1	1.0	0.9	1.0	0.9	0.9	0.8	0.9	0.8
10-65 MHz	T	3.6	3.1	1.6	1.4	1.1	0.9	1.1	0.9	0.8	0.7	0.8	0.7	0.7	0.6	0.7	0.6
65-300 MHz	T	4.0	3.4	1.8	1.5	1.3	1.1	1.2	1.0	0.9	0.8	0.9	0.8	0.9	0.8	0.8	0.7
300-550 MHz	T	4.7	4.0	2.5	2.1	1.9	1.6	1.7	1.4	1.3	1.1	1.3	1.1	1.3	1.1	1.2	1.0
550-750 MHz	T	5.0	4.2	2.7	2.3	2.1	1.8	1.8	1.5	1.5	1.3	1.5	1.3	1.4	1.2	1.3	1.1
750-862 MHz	T	5.0	4.2	3.0	2.5	2.3	2.0	2.0	1.7	1.8	1.5	1.7	1.4	1.7	1.4	1.4	1.2
862-1000 MHz	T	5.1	4.3	3.1	2.6	2.4	2.1	2.1	1.8	1.9	1.6	1.8	1.3	1.8	1.3	1.5	1.3
1000-1218 MHz	T	5.5	4.5	3.6	3.0	2.6	2.2	2.3	2.0	2.1	1.8	2.0	1.7	2.0	1.5	1.8	1.5

Tap Value (dB) ± 1.0 (± 1.5 860-1218MHz)

Frequency	11T	14	17	20	23	26	29	32	35
5-65 MHz	11	14	17	20	23	26	29	32	35
65-860 MHz	11	14	17	20	23	26	29	32	35
860-1218 MHz	11	14	17	20	23	26	29	32	35

Tap to Tap Isolation (dB)

Frequency	(Max)	11T	14	17	20	23	26	29	32	35
		5-10 MHz	18	18	18	18	18	18	18	18
10-65 MHz	26	26	26	26	26	26	26	26	26	26
65-860 MHz	24	24	24	24	24	24	24	24	24	24
860-1218 MHz	22	22	22	22	22	22	22	22	22	22

Out to Tap Isolation (dB)

Frequency	(Max)	11T	14	17	20	23	26	29	32	35
		5-10 MHz	T	24	26	27	29	30	32	33
10-65 MHz	T	30	32	33	35	36	38	39	41	
65-860 MHz	T	28	30	31	33	34	36	37	39	
860-1218 MHz	T	26	28	29	31	32	34	35	37	

Return Loss (dB)

Frequency	(Min)	11T	14	17	20	23	26	29	32	35
		5-10 MHz	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15
10-47 MHz	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	
47-950 MHz	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	≥ 18	
950-1218 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	

Hum Modulation (dB) @ 12 A

Frequency	(Min)	11T	14	17	20	23	26	29	32	35
		5-700 MHz	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60
700-1218 MHz	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	

General Specifications: Power Passing 12 A, 60/90 VAC

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# 55 SERIES 1.8 GHz OUTDOOR TAPS [DT55W-SR-CB-x-x]

Cable Products, Mainline Passives

## Description

Taikana's 55 series 1.8 GHz taps have been designed with the future of the CATV industry in mind. All units come complete with a factory installed power passing bar for uninterrupted service when the faceplate is removed. Interchangeable faceplates allow for future network growth while minimizing costly equipment upgrades for cable providers. All taps are backed by Taikana's one year limited warranty. \*



## Features

- Supports Standard Spectrum DOCSIS (FDD) and Full Duplex DOCSIS (FDX) Compliant Systems
- 5-1800 MHz Bandwidth
- 15 A Current Capacity
- Aluminum Alloy Housing used for Corrosion Resistance
- Neoprene Weather Gasket and RFI Shielding at 120 dB
- Blocking Capacitors on the "F" ports for Extended Surge Resistance
- ANSI/SCTE 01-2015 Fully Compliant F-Connectors
- Epoxy Sealed and Nickel Plated Brass "F" Ports
- Double Polyurethane Coating for Greater Weather Protection
- Power Passing Option: CB: Continuous Through Signal without Faceplate
- Easily Interchangeable 2/4 Port Faceplates
- Aerial or Pedestal Installation for Outdoor Use
- Compliant with SCTE Guidelines
- Printed Circuit Boards
- Flatness In/Out:  $\pm 0.5$ , Flatness In/Tap:  $\pm 0.5$
- Connector: 5/8" - 24 NEF Female for In/Out
- Surge Withstand: IEEE C62.41-1991 Category B3/6kV Combination Wave, 3000 A
- Power Passing 15 A, 60/90 VAC

## Ordering Information

DT55W - SR - CB - Port dB Value

See Options Below  
2, 82, 4, 84, or 8

Model Number	Inner Box	Standard Carton	Carton Weight	dB Values Available
DT55W-SR-CB-2xx	10 pcs	50 pcs	18 kg / 40 lbs	-04T, -08, -11, -14, -17, -20, -23, -26, -29, -32, -35
DT55W-SR-CB-4xx	10 pcs	50 pcs	19 kg / 42 lbs	-08T, -11, -14, -17, -20, -23, -26, -29, -32, -35
DT55W-SR-CB-8xx	10 pcs	40 pcs	23 kg / 51 lbs	-11T, -14, -17, -20, -23, -26, -29, -32, -35
DT55W-SR-CB-82xx	10 pcs	40 pcs	23 kg / 51 lbs	-04T, -08, -11, -14, -17, -20, -23, -26, -29, -32
DT55W-SR-CB-84xx	10 pcs	40 pcs	23 kg / 51 lbs	-08T, -11, -14, -17, -20, -23, -26, -29, -32, -35

\* Please refer to <http://www.taikana.com/Downloads/warranty.pdf> for our warranty service agreement



## 2 Port Specifications

Customization available upon request

### Insertion Loss (dB)

	4T	8	11	14	17	20	23	26	29	32
5-10 MHz	T	3.8	1.8	1.3	1.3	1.0	1.0	0.9	0.9	0.9
10-65 MHz	T	3.6	1.6	1.1	1.1	0.8	0.8	0.7	0.7	0.7
65-300 MHz	T	4.0	1.8	1.3	1.2	0.9	0.9	0.9	0.8	0.8
300-550 MHz	T	4.7	2.5	1.9	1.7	1.3	1.3	1.3	1.2	1.2
550-750 MHz	T	5.0	2.7	2.1	1.8	1.5	1.5	1.4	1.3	1.3
750-862 MHz	T	5.0	3.0	2.3	2.0	1.8	1.7	1.7	1.4	1.4
862-1000 MHz	T	5.1	3.1	2.4	2.1	1.9	1.8	1.8	1.5	1.5
1000-1218 MHz	T	5.3	3.3	2.6	2.3	2.1	2.0	2.0	1.7	1.7
1218-1500 MHz	T	5.6	4.0	3.0	2.6	2.5	2.4	2.4	2.4	2.4
1500-1700 MHz	T	5.8	4.5	3.5	3.0	2.5	2.4	2.4	3.4	2.4
1700-1800 MHz	T	6.0	5.2	4.0	3.5	3.0	2.8	2.8	2.8	2.8

### Tap Value (dB) Tolerance 5-850 MHz ± 1.0 dB, 850-1218 MHz ± 1.5 dB, 1218-1800 MHz ± 2.0 dB

	4T	8	11	14	17	20	23	26	29	32
5-65 MHz	4	8	11	14	17	20	23	26	29	32
65-860 MHz	4	8	11	14	17	20	23	26	29	32
860-1218 MHz	4	8	11	14	17	20	23	26	29	32
1218-1500 MHz	4	8	11	14	17	20	23	26	29	32
1500-1700 MHz	4	9	12	14	17	20	23	26	29	32
1700-1800 MHz	4	10	12.5	14.5	17	20	23	26	29	32

### Tap to Tap Isolation (dB)

	(Max)	4T	8	11	14	17	20	23	26	29	32
5-10 MHz	18	18	18	18	18	18	18	18	18	18	18
10-65 MHz	26	26	26	26	26	26	26	26	26	26	26
65-860 MHz	24	24	24	24	24	24	24	24	24	24	24
860-1218 MHz	22	22	22	22	22	22	22	22	22	22	22
1218-1500 MHz	20	20	20	20	20	20	20	20	20	20	20
1500-1700 MHz	17	17	17	17	17	17	17	17	17	17	17
1700-1800 MHz	17	17	17	17	17	17	17	17	17	17	17

## 2 Port Specifications Cont'd

Customization available upon request

### Output to Tap Isolation (dB)

		(Max)	4T	8	11	14	17	20	23	26	29	32
Frequency	5-10 MHz	T	21	23	24	26	27	29	30	32	33	
	10-65 MHz	T	27	29	30	32	33	35	36	38	39	
	65-860 MHz	T	25	27	28	30	31	33	34	36	37	
	860-1218 MHz	T	23	25	26	28	29	31	32	34	35	
	1218-1500 MHz	T	25	25	25	27	27	30	31	30	30	
	1500-1700 MHz	T	20	20	20	22	23	27	30	27	27	
	1700-1800 MHz	T	20	20	20	22	23	27	30	27	27	

### Return Loss (dB)

		(Min)	4T	8	11	14	17	20	23	26	29	32
Frequency	5-10 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
	10-47 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
	47-950 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
	950-1218 MHz	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14
	1218-1500 MHz	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14
	1500-1700 MHz	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14
	1700-1800 MHz	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12

General Specifications: Power Passing 15 A, 60/90 VAC

## 4 Port Specifications

Customization available upon request

### Insertion Loss (dB)

	8T	11	14	17	20	23	26	29	32	35
5-10 MHz	T	3.8	1.8	1.3	1.3	1.0	1.0	0.9	0.9	0.9
10-65 MHz	T	3.6	1.6	1.1	1.1	0.8	0.8	0.7	0.7	0.7
65-300 MHz	T	4.0	1.8	1.3	1.2	0.9	0.9	0.9	0.8	0.8
300-550 MHz	T	4.7	2.5	1.9	1.7	1.3	1.3	1.3	1.2	1.2
550-750 MHz	T	5.0	2.7	2.1	1.8	1.5	1.5	1.4	1.3	1.3
750-862 MHz	T	5.0	3.0	2.3	2.0	1.8	1.7	1.7	1.4	1.4
862-1000 MHz	T	5.1	3.1	2.4	2.1	1.9	1.8	1.8	1.5	1.5
1000-1218 MHz	T	5.3	3.3	2.6	2.3	2.1	2.0	2.0	1.7	1.7
1218-1500 MHz	T	5.4	4.0	3.0	2.5	2.5	2.4	2.4	2.4	2.4
1500-1700 MHz	T	6.0	4.8	3.5	3.0	2.8	2.5	2.5	2.5	2.5
1700-1800 MHz	T	6.6	5.0	4.0	3.5	3.0	2.8	2.8	2.8	2.8

### Tap Value (dB) Tolerance 5-850 MHz ± 1.0 dB, 850-1218 MHz ± 1.5 dB, 1218-1800 MHz ± 2.0 dB

	8T	11	14	17	20	23	26	29	32	35
5-65 MHz	8	11	14	17	20	23	26	29	32	35
65-860 MHz	8	11	14	17	20	23	26	29	32	35
860-1218 MHz	8	11	14	17	20	23	26	29	32	35
1218-1500 MHz	8	12.5	15	17	20	23	26	29	32	35
1500-1700 MHz	8	13	15	17	20	23	26	29	32	35
1700-1800 MHz	8	13.5	15.5	17.5	20	23	26	29	32	35

### Tap to Tap Isolation (dB)

(Max)	8T	11	14	17	20	23	26	29	32	35
5-10 MHz	18	18	18	18	18	18	18	18	18	18
10-65 MHz	26	26	26	26	26	26	26	26	26	26
65-860 MHz	24	24	24	24	24	24	24	24	24	24
860-1218 MHz	22	22	22	22	22	22	22	22	22	22
1218-1500 MHz	20	20	20	20	20	20	20	20	20	20
1500-1700 MHz	17	17	17	17	17	17	17	17	17	17
1700-1800 MHz	17	17	17	17	17	17	17	17	17	17

## 4 Port Specifications Cont'd

Customization available upon request

### Output to Tap Isolation (dB)

		(Max)	8T	11	14	17	20	23	26	29	32	35
Frequency	5-10 MHz		T	23	24	26	27	29	30	32	33	35
	10-65 MHz		T	29	30	32	33	35	36	38	39	41
	65-860 MHz		T	27	28	30	31	33	34	36	37	39
	860-1218 MHz		T	25	26	28	29	31	32	34	35	37
	1218-1500 MHz		T	25	25	25	27	27	30	30	30	30
	1500-1700 MHz		T	20	20	22	22	23	27	27	27	27
	1700-1800 MHz		T	20	20	22	22	23	27	27	27	27

### Return Loss (dB)

		(Min)	8T	11	14	17	20	23	26	29	32	35
Frequency	5-10 MHz		≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
	10-47 MHz		≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
	47-950 MHz		≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
	950-1218 MHz		≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14
	1218-1500 MHz		≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14
	1500-1700 MHz		≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14
	1700-1800 MHz		≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12

General Specifications: Power Passing 15 A, 60/90 VAC

## 8 Port Specifications

Customization available upon request

### Insertion Loss (dB)

	11T	14	17	20	23	26	29	32	35
5-10 MHz	T	3.8	1.8	1.5	1.3	1.0	1.0	0.9	0.9
10-65 MHz	T	3.6	1.6	1.5	1.1	0.8	0.8	0.7	0.7
65-300 MHz	T	4.0	1.8	1.5	1.2	0.9	0.9	0.9	0.8
300-550 MHz	T	4.7	2.5	1.9	1.7	1.3	1.3	1.3	1.2
550-750 MHz	T	5.0	2.7	2.1	1.8	1.5	1.5	1.4	1.3
750-862 MHz	T	5.0	3.0	2.3	2.0	1.8	1.7	1.7	1.4
862-1000 MHz	T	5.1	3.1	2.4	2.1	1.9	1.8	1.8	1.5
1000-1218 MHz	T	5.3	3.3	2.6	2.3	2.1	2.0	2.0	1.7
1218-1500 MHz	T	5.6	4.0	3.0	2.6	2.5	2.6	2.6	2.6
1500-1700 MHz	T	5.8	4.5	3.5	3.0	2.5	3.0	3.0	3.0
1700-1800 MHz	T	6.0	5.2	3.5	3.5	3.0	3.5	3.5	3.5

### Tap Value (dB) Tolerance 5-850 MHz ± 1.0 dB, 850-1218 MHz ± 1.5 dB, 1218-1800 MHz ± 2.0 dB

	11T	14	17	20	23	26	29	32	35
5-65 MHz	11	14	17	20	23	26	29	32	35
65-860 MHz	11	14	17	20	23	26	29	32	35
860-1218 MHz	11	14	17	20	23	26	29	32	35
1218-1500 MHz	11	15	17	20	23	26.5	29	32	35
1500-1700 MHz	11	15.5	18	20.5	23	26.5	29	32	35
1700-1800 MHz	11	15.5	18.5	20.5	23.5	27	29	32	35

### Tap to Tap Isolation (dB)

(Max)	11T	14	17	20	23	26	29	32	35
5-10 MHz	18	18	18	18	18	18	18	18	18
10-65 MHz	26	26	26	26	26	26	26	26	26
65-860 MHz	24	24	24	24	24	24	24	24	24
860-1218 MHz	22	22	22	22	22	22	22	22	22
1218-1500 MHz	20	20	20	20	20	20	20	20	20
1500-1700 MHz	17	17	17	17	17	17	17	17	17
1700-1800 MHz	17	17	17	17	17	17	17	17	17



## 8 Port Specifications Cont'd

Customization available upon request

### Output to Tap Isolation (dB)

		(Max)	11T	14	17	20	23	26	29	32	35
Frequency	5-10 MHz	T	24	26	27	29	30	32	33	35	
	10-65 MHz	T	30	32	33	35	36	38	39	41	
	65-860 MHz	T	28	30	31	33	34	36	37	39	
	860-1218 MHz	T	26	28	29	31	32	34	35	37	
	1218-1500 MHz	T	26	25	25	25	30	25	30	30	
	1500-1700 MHz	T	25	25	25	25	30	25	30	30	
	1700-1800 MHz	T	25	25	25	25	30	25	30	30	

### Tap Return Loss (dB)

		(Min)	11T	14	17	20	23	26	29	32	35
Frequency	5-10 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
	10-47 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
	47-950 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
	950-1218 MHz	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14
	1218-1500 MHz	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14
	1500-1700 MHz	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14
	1700-1800 MHz	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12

General Specifications: Power Passing 15 A, 60/90 VAC

# LEQ 55 SERIES OUTDOOR TAPS [LEQ55G-CB-x]

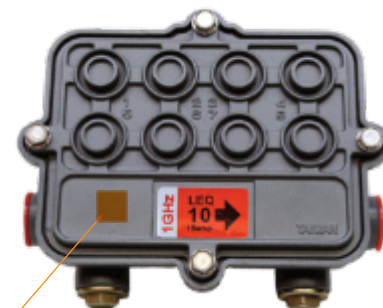
Cable Products, Mainline Passives

## Description

Taikan's LEQ 55 series taps have been designed with the future of the CATV industry in mind. All units come complete with a factory installed power passing bar for uninterrupted service when the faceplate is removed. Interchangeable faceplates allow for future network growth, while minimizing costly equipment upgrades for cable providers. All taps are backed by Taikan's 1 year limited warranty\*

## Features

- 5–1002 MHz Bandwidth
- 12 A Current Capacity
- Aluminum Alloy Housing used for Corrosion Resistance
- Weather Rubber Gasket and RFI Shielding Mesh
- Double Polyurethane Coating for Greater Weather Protection
- Aerial or Pedestal Installation
- Printed Circuit Boards
- Equalizer Values of 7, 8, 9, 10 dB
- CB: Continuous through signal w/o faceplate
- Rotational Seizure Mechanism for Aerial or Pedestal Installation
- Compliant with SCTE guidelines



## Ordering Information

LEQ55G - CB - X  
7, 8, 9, or 10 dB

Model Number	Inner Box	Standard Carton	Carton Weight	dB Values Available
LEQ55G-CB-x	10 pcs	40 pcs	17 kg / 38 lb	7, 8, 9, 10

Frequency	5-42	54-100	400	500	600	700	800	900	1002	MHz
Insertion Loss LEQ55G-CB-7	0.7	7.0	6.2	5.4	4.6	3.8	3.0	2.3	1.5	dB
Insertion Loss LEQ55G-CB-8	0.7	8.0	7.0	6.0	5.1	4.2	3.2	2.3	1.3	dB
Insertion Loss LEQ55G-CB-9	0.7	9.0	7.8	6.7	5.6	4.5	3.4	2.3	1.1	dB
Insertion Loss LEQ55G-CB-10	0.7	10.0	8.75	7.5	6.25	5.0	3.75	2.5	1.0	dB
Linear Equalization Slope					±0.7					
Return Loss Input/Output	15	16	18	18	17	16	16	16	16	dB



# 55 SERIES 1.8 GHz OUTDOOR TAPS [DT55W-SR-CB-x-x]

Cable Products, Mainline Passives

## Description

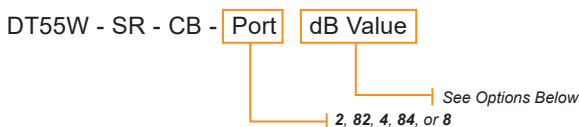
Taikana's 55 series 1.8 GHz taps have been designed with the future of the CATV industry in mind. All units come complete with a factory installed power passing bar for uninterrupted service when the faceplate is removed. Interchangeable faceplates allow for future network growth while minimizing costly equipment upgrades for cable providers. All taps are backed by Taikana's one year limited warranty. \*



## Features

- Supports Standard Spectrum DOCSIS (FDD) and Full Duplex DOCSIS (FDX) Compliant Systems
- 5-1800 MHz Bandwidth
- 15 A Current Capacity
- Aluminum Alloy Housing used for Corrosion Resistance
- Neoprene Weather Gasket and RFI Shielding at 120 dB
- Blocking Capacitors on the "F" ports for Extended Surge Resistance
- ANSI/SCTE 01-2015 Fully Compliant F-Connectors
- Epoxy Sealed and Nickel Plated Brass "F" Ports
- Double Polyurethane Coating for Greater Weather Protection
- Power Passing Option: CB: Continuous Through Signal without Faceplate
- Easily Interchangeable 2/4 Port Faceplates
- Aerial or Pedestal Installation for Outdoor Use
- Compliant with SCTE Guidelines
- Printed Circuit Boards
- Flatness In/Out:  $\pm 0.5$ , Flatness In/Tap:  $\pm 0.5$
- Connector: 5/8" - 24 NEF Female for In/Out
- Surge Withstand: IEEE C62.41-1991 Category B3/6kV Combination Wave, 3000 A

## Ordering Information



Model Number	Inner Box	Standard Carton	Carton Weight	dB Values Available
DT55W-SR-CB-2xx	10 pcs	50 pcs	18 kg / 40 lbs	-04T, -08, -11, -14, -17, -20, -23, -26, -29, -32, -35
DT55W-SR-CB-4xx	10 pcs	50 pcs	19 kg / 42 lbs	-08T, -11, -14, -17, -20, -23, -26, -29, -32, -35
DT55W-SR-CB-8xx	10 pcs	40 pcs	23 kg / 51 lbs	-11T, -14, -17, -20, -23, -26, -29, -32, -35
DT55W-SR-CB-82xx	10 pcs	40 pcs	23 kg / 51 lbs	-04T, -08, -11, -14, -17, -20, -23, -26, -29, -32
DT55W-SR-CB-84xx	10 pcs	40 pcs	23 kg / 51 lbs	-08T, -11, -14, -17, -20, -23, -26, -29, -32, -35

\* Please refer to <http://www.taikana.com/Downloads/warranty.pdf> for our warranty service agreement



## 2 Port Specifications

Customization available upon request

### Insertion Loss (dB)

	4T	8	11	14	17	20	23	26	29	32	35
5-10 MHz	T	3.8	1.8	1.3	1.3	1.0	1.0	0.9	0.9	0.9	0.9
10-65 MHz	T	3.6	1.6	1.1	1.1	0.8	0.8	0.7	0.7	0.7	0.7
65-300 MHz	T	4.0	1.8	1.3	1.2	0.9	0.9	0.9	0.8	0.8	0.8
300-550 MHz	T	4.7	2.5	1.9	1.7	1.3	1.3	1.3	1.2	1.2	1.2
550-750 MHz	T	5.0	2.7	2.1	1.8	1.5	1.5	1.4	1.3	1.3	1.3
750-862 MHz	T	5.0	3.0	2.3	2.0	1.8	1.7	1.7	1.4	1.4	1.4
862-1000 MHz	T	5.1	3.1	2.4	2.1	1.9	1.8	1.8	1.5	1.5	1.5
1000-1218 MHz	T	5.3	3.3	2.6	2.3	2.1	2.0	2.0	1.7	1.7	1.7
1218-1500 MHz	T	5.6	4.0	3.0	2.6	2.5	2.4	2.4	2.4	2.4	2.4
1500-1700 MHz	T	5.8	4.5	3.5	3.0	2.5	2.4	2.4	2.4	2.4	2.5
1700-1800 MHz	T	6.0	5.2	4.0	3.5	3.0	2.8	2.8	2.8	2.8	2.8

### Tap Value (dB) Tolerance 5-850 MHz $\pm 1.0$ dB, 850-1218 MHz $\pm 1.5$ dB, 1218-1800 MHz $\pm 2.0$ dB

	4T	8	11	14	17	20	23	26	29	32	35
5-65 MHz	4	8	11	14	17	20	23	26	29	32	35
65-860 MHz	4	8	11	14	17	20	23	26	29	32	35
860-1218 MHz	4	8	11	14	17	20	23	26	29	32	35
1218-1500 MHz	4	8	11	14	17	20	23	26	29	32	35
1500-1700 MHz	4	9	12	14	17	20	23	26	29	32	35
1700-1800 MHz	4	10	12.5	14.5	17	20	23	26	29	32	35

### Tap to Tap Isolation (dB)

(Max)	4T	8	11	14	17	20	23	26	29	32	35
5-10 MHz	18	18	18	18	18	18	18	18	18	18	18
10-65 MHz	26	26	26	26	26	26	26	26	26	26	26
65-860 MHz	24	24	24	24	24	24	24	24	24	24	24
860-1218 MHz	22	22	22	22	22	22	22	22	22	22	22
1218-1500 MHz	20	20	20	20	20	20	20	20	20	20	20
1500-1700 MHz	17	17	17	17	17	17	17	17	17	17	17
1700-1800 MHz	17	17	17	17	17	17	17	17	17	17	17

## 2 Port Specifications Cont'd

Customization available upon request

### Output to Tap Isolation (dB)

	(Max)	4T	8	11	14	17	20	23	26	29	32	35
Frequency	5-10 MHz	T	21	23	24	26	27	29	30	32	33	35
	10-65 MHz	T	27	29	30	32	33	35	36	38	39	41
	65-860 MHz	T	25	27	28	30	31	33	34	36	37	39
	860-1218 MHz	T	23	25	26	28	29	31	32	34	35	37
	1218-1500 MHz	T	25	25	25	27	27	30	31	30	30	30
	1500-1700 MHz	T	20	20	20	22	23	27	30	27	27	27
	1700-1800 MHz	T	20	20	20	22	23	27	30	27	27	27

### Return Loss (dB)

	(Min)	4T	8	11	14	17	20	23	26	29	32	35
Frequency	5-10 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 15
	10-47 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
	47-950 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
	950-1218 MHz	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12
	1218-1500 MHz	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12
	1500-1700 MHz	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12
	1700-1800 MHz	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12

### Hum Modulation (dB) @ 15 A

	(Min)	4T	8	11	14	17	20	23	26	29	32	35
Frequency	5-1800 MHz	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65

### General Specifications: Power Passing 12 A, 60/90 VAC

## 4 Port Specifications

Customization available upon request

### Insertion Loss (dB)

	8T	11	14	17	20	23	26	29	32	35
5-10 MHz	T	3.8	1.8	1.3	1.3	1.0	1.0	0.9	0.9	0.9
10-65 MHz	T	3.6	1.6	1.1	1.1	0.8	0.8	0.7	0.7	0.7
65-300 MHz	T	4.0	1.8	1.3	1.2	0.9	0.9	0.9	0.8	0.8
300-550 MHz	T	4.7	2.5	1.9	1.7	1.3	1.3	1.3	1.2	1.2
550-750 MHz	T	5.0	2.7	2.1	1.8	1.5	1.5	1.4	1.3	1.3
750-862 MHz	T	5.0	3.0	2.3	2.0	1.8	1.7	1.7	1.4	1.4
862-1000 MHz	T	5.1	3.1	2.4	2.1	1.9	1.8	1.8	1.5	1.5
1000-1218 MHz	T	5.3	3.3	2.6	2.3	2.1	2.0	2.0	1.7	1.7
1218-1500 MHz	T	5.4	4.0	3.0	2.5	2.5	2.4	2.4	2.4	2.4
1500-1700 MHz	T	6.0	4.8	3.5	3.0	2.8	2.5	2.5	2.5	2.5
1700-1800 MHz	T	6.6	5.0	4.0	3.5	3.0	2.8	2.8	2.8	2.8

### Tap Value (dB) Tolerance 5-850 MHz ± 1.0 dB, 850-1218 MHz ± 1.5 dB, 1218-1800 MHz ± 2.0 dB

	8T	11	14	17	20	23	26	29	32	35
5-65 MHz	8	11	14	17	20	23	26	29	32	35
65-860 MHz	8	11	14	17	20	23	26	29	32	35
860-1218 MHz	8	11	14	17	20	23	26	29	32	35
1218-1500 MHz	8	12.5	15	17	20	23	26	29	32	35
1500-1700 MHz	8	13	15	17	20	23	26	29	32	35
1700-1800 MHz	8	13.5	15.5	17.5	20	23	26	29	32	35

### Tap to Tap Isolation (dB)

(Max)	8T	11	14	17	20	23	26	29	32	35
5-10 MHz	18	18	18	18	18	18	18	18	18	18
10-65 MHz	26	26	26	26	26	26	26	26	26	26
65-860 MHz	24	24	24	24	24	24	24	24	24	24
860-1218 MHz	22	22	22	22	22	22	22	22	22	22
1218-1500 MHz	20	20	20	20	20	20	20	20	20	20
1500-1700 MHz	17	17	17	17	17	17	17	17	17	17
1700-1800 MHz	17	17	17	17	17	17	17	17	17	17



## 4 Port Specifications Cont'd

Customization available upon request

### Output to Tap Isolation (dB)

	(Max)	8T	11	14	17	20	23	26	29	32	35
Frequency	5-10 MHz	T	23	24	26	27	29	30	32	33	35
	10-65 MHz	T	29	30	32	33	35	36	38	39	41
	65-860 MHz	T	27	28	30	31	33	34	36	37	39
	860-1218 MHz	T	25	26	28	29	31	32	34	35	37
	1218-1500 MHz	T	25	25	25	27	27	30	30	30	30
	1500-1700 MHz	T	20	20	22	22	23	27	27	27	27
	1700-1800 MHz	T	20	20	22	22	23	27	27	27	27

### Return Loss (dB)

	(Min)	8T	11	14	17	20	23	26	29	32	35
Frequency	5-10 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
	10-47 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
	47-950 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
	950-1218 MHz	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12
	1218-1500 MHz	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12
	1500-1700 MHz	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12
	1700-1800 MHz	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12

### Hum Modulation (dB) @ 15 A

	(Min)	8T	11	14	17	20	23	26	29	32	35
Frequency	5-1800 MHz	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65

### General Specifications: Power Passing 12 A, 60/90 VAC

## 8 Port Specifications

Customization available upon request

### Insertion Loss (dB)

	11T	14	17	20	23	26	29	32	35
5-10 MHz	T	3.8	1.8	1.5	1.3	1.0	1.0	0.9	0.9
10-65 MHz	T	3.6	1.6	1.5	1.1	0.8	0.8	0.7	0.7
65-300 MHz	T	4.0	1.8	1.5	1.2	0.9	0.9	0.9	0.8
300-550 MHz	T	4.7	2.5	1.9	1.7	1.3	1.3	1.3	1.2
550-750 MHz	T	5.0	2.7	2.1	1.8	1.5	1.5	1.4	1.3
750-862 MHz	T	5.0	3.0	2.3	2.0	1.8	1.7	1.7	1.4
862-1000 MHz	T	5.1	3.1	2.4	2.1	1.9	1.8	1.8	1.5
1000-1218 MHz	T	5.3	3.3	2.6	2.3	2.1	2.0	2.0	1.7
1218-1500 MHz	T	5.6	4.0	3.0	2.6	2.5	2.6	2.6	2.6
1500-1700 MHz	T	5.8	4.5	3.5	3.0	2.5	3.0	3.0	3.0
1700-1800 MHz	T	6.0	5.2	3.5	3.5	3.0	3.5	3.5	3.5

### Tap Value (dB) Tolerance 5-850 MHz ± 1.0 dB, 850-1218 MHz ± 1.5 dB, 1218-1800 MHz ± 2.0 dB

	11T	14	17	20	23	26	29	32	35
5-65 MHz	11	14	17	20	23	26	29	32	35
65-860 MHz	11	14	17	20	23	26	29	32	35
860-1218 MHz	11	14	17	20	23	26	29	32	35
1218-1500 MHz	11	15	17	20	23	26.5	29	32	35
1500-1700 MHz	11	15.5	18	20.5	23	26.5	29	32	35
1700-1800 MHz	11	15.5	18.5	20.5	23.5	27	29	32	35

### Tap to Tap Isolation (dB)

(Max)	11T	14	17	20	23	26	29	32	35
5-10 MHz	18	18	18	18	18	18	18	18	18
10-65 MHz	26	26	26	26	26	26	26	26	26
65-860 MHz	24	24	24	24	24	24	24	24	24
860-1218 MHz	22	22	22	22	22	22	22	22	22
1218-1500 MHz	20	20	20	20	20	20	20	20	20
1500-1700 MHz	17	17	17	17	17	17	17	17	17
1700-1800 MHz	17	17	17	17	17	17	17	17	17

## 8 Port Specifications Cont'd

Customization available upon request

### Output to Tap Isolation (dB)

		(Max)	11T	14	17	20	23	26	29	32	35
Frequency	5-10 MHz	T	24	26	27	29	30	32	33	35	
	10-65 MHz	T	30	32	33	35	36	38	39	41	
	65-860 MHz	T	28	30	31	33	34	36	37	39	
	860-1218 MHz	T	26	28	29	31	32	34	35	37	
	1218-1500 MHz	T	26	25	25	25	30	25	30	30	
	1500-1700 MHz	T	25	25	25	25	30	25	30	30	
	1700-1800 MHz	T	25	25	25	25	30	25	30	30	

### Tap Return Loss (dB)

		(Min)	11T	14	17	20	23	26	29	32	35
Frequency	5-10 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
	10-47 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
	47-950 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
	950-1218 MHz	≥ 14	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12
	1218-1500 MHz	≥ 14	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12
	1500-1700 MHz	≥ 14	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12
	1700-1800 MHz	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12	≥ 12

### Hum Modulation (dB) @ 15 A

		(Min)	11T	14	17	20	23	26	29	32	35
Frequency	5-1800 MHz	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65

### General Specifications: Power Passing 12 A, 60/90 VAC



**General Specifications**

Power Passing:	15 A, 60/90 VAC for Directional Splitters & Directional Couplers 15 A, (20 A Optional) 60/90 VAC for Power Inserter
Surge Withstand:	IEEE C62.41-1991 Category B3/6kV Combination Wave, 3000 A
Waterproof Condition:	1.2kg/cm <sup>2</sup> 60 sec
Impedance:	75 Ohms
Connectors:	In/Out 5/8" -24 NEF female

**Mainline Splitters - 1.0 GHz****Insertion Loss (dB) Tolerance:  $\pm 0.25$** 

	<b>DS55G-2</b>	<b>DS55G-3B</b>	<b>DS55G-3</b>			
Frequency	5-42 MHz	3.9	6.3	4.0	7.4	dB
	42-600 MHz	4.2	6.3	4.2	7.6	dB
	600-800 MHz	4.5	6.7	4.6	8.1	dB
	800-1002 MHz	5.1	7.7	5.2	9.3	dB

**Output - Output Isolation (dB)**

	<b>DS55G-2</b>	<b>DS55G-3B</b>	<b>DS55G-3</b>		
Frequency	5-15 MHz	21	22	22	dB
	15-400 MHz	25	22	24	dB
	400-600 MHz	21	22	22	dB
	600-800 MHz	20	21	22	dB
	800-1002 MHz	20	20	20	dB

**Return Loss - Input / Output (dB)**

	<b>DS55G-2</b>	<b>DS55G-3B</b>	<b>DS55G-3</b>		
Frequency	5-42 MHz	17	17	17	dB
	42-600 MHz	18	18	18	dB
	600-800 MHz	17	16	17	dB
	800-1002 MHz	17	17	17	dB

**Mainline Couplers - 1.0 GHz****Insertion Loss (dB) Tolerance:  $\pm 0.25$** 

	<b>DC55G-8</b>	<b>DC55G-12</b>	<b>DC55G-16</b>	<b>DC55G-PI-x</b>		
Frequency	5-42 MHz	1.6	1.2	1.0	0.7	dB
	42-600 MHz	1.9	1.3	1.2	0.7	dB
	600-800 MHz	2.5	1.7	1.4	0.9	dB
	800-1002 MHz	3.1	2.2	2.0	1.0	dB

**Tap Value (dB) Tolerance:  $\pm 1.5$** 

	<b>DC55G-8</b>	<b>DC55G-12</b>	<b>DC55G-16</b>	<b>DC55G-PI-x</b>	
Frequency	5-600 MHz	8	12	16	dB
	600-800 MHz	8	12	16	dB
	800-1002 MHz	8	12	16	dB

**Mainline Couplers - 1.0 GHz (cont.)****Output - Tap Isolation (dB)**

	<b>DC55G-8</b>	<b>DC55G-12</b>	<b>DC55G-16</b>	<b>DC55G-PI-x</b>		
Frequency	5-15 MHz	21	23	24	63	dB
	15-400 MHz	28	27	30	60	dB
	400-600 MHz	25	25	27	60	dB
	600-800 MHz	21	21	20	60	dB
	800-1002 MHz	20	20	20	52	dB

**Return Loss - Input / Output (dB)**

	<b>DC55G-8</b>	<b>DC55G-12</b>	<b>DC55G-16</b>	<b>DC55G-PI-x</b>		
Frequency	5-42 MHz	17	17	17	18	dB
	42-600 MHz	18	18	18	18	dB
	600-800 MHz	17	17	17	17	dB
	800-1002 MHz	17	17	17	17	dB

**Hum Modulation @ 15 A (dB)**

	<b>DS55G-2</b>	<b>DS55G-3B</b>	<b>DS55G-3</b>	<b>DS55G-8</b>	<b>DS55G-12</b>	<b>DS55G-16</b>	<b>DS55G-PI-x</b>
Frequency	5-10 MHz	≥ -52	≥ -52	≥ -52	≥ -52	≥ -52	≥ -52
	10-15 MHz	≥ -55	≥ -55	≥ -55	≥ -55	≥ -55	≥ -55
	15-1002 MHz	≥ -60	≥ -60	≥ -60	≥ -60	≥ -60	≥ -60

**Screening Effectiveness (dB)**

	<b>DS55G-2</b>	<b>DS55G-3B</b>	<b>DS55G-3</b>	<b>DS55G-8</b>	<b>DS55G-12</b>	<b>DS55G-16</b>	<b>DS55G-PI-x</b>
Frequency	5-1002 MHz	≥ 95	≥ 95	≥ 95	≥ 95	≥ 95	≥ 95



# 55 SERIES 1.218 GHZ SPLITTERS & COUPLERS

[DC/DS55V-x] Cable Products, Mainline Splitters & Couplers

## Features

- Supports DOCSIS 3.1 Expanded Bandwidth up to 1218 MHz
- 5-1218 MHz Frequency Range
- Aluminum Alloy Housing Used for Corrosion Resistant
- Double Polyurethane Coating for Greater Weather Protection
- Neoprene Weather Gasket and RFI Shielding at 120 dB
- 15 A Current Capacity / 15 A (or 20 A) Current Capacity for Power Inserter
- Rotational Seizure Mechanism for Aerial or Pedestal Installation
- Aerial or Pedestal Installation
- Printed Circuit Board
- Compliant with SCTE Guidelines

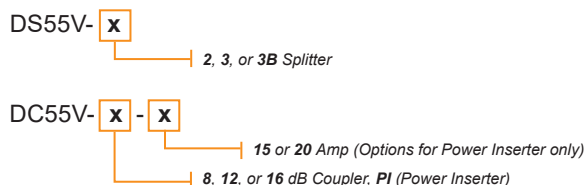


## Application

Both a directional coupler (unequal power divider) and splitter (equal power divider) split your network's trunk and feederlines. A line power inserter enables a single cable to service the power and signal requirements of active modules in a broadband telecommunications network by passively combining radio frequency (RF) signals with up to 90 volts alternating current (VAC) from a line power supply.



## Ordering Information



Model Number	Standard Carton	Inner Box	Carton Weight	dB Values Available
DS55G-xx	30 pcs	10 pcs	20 kgs / 44 lbs	2, 3, 3B Splitter
DC55G-xx	30 pcs	10 pcs	20 kgs / 44 lbs	8, 12, 16 dB Coupler, -PI Power Inserter

*Customization available upon request*

**General Specifications**

Power Passing:	15 A, 60/90 VAC for Directional Splitters & Directional Couplers 15 A, (20 A Optional) 60/90 VAC for Power Inserter
Surge Withstand:	IEEE C62.41-1991 Category B3/6kV Combination Wave, 3000 A
Waterproof Condition:	1.2kg/cm <sup>2</sup> 60 sec
Impedance:	75 Ohms
Connectors:	In/Out 5/8" -24 NEF female

**Mainline Splitters - 1.218 GHz****Insertion Loss (dB) Tolerance: ± 0.25**

	<b>DS55V-2</b>	<b>DS55V-3B</b>	<b>DS55V-3</b>	
5-65 MHz	4.1	6.3	4.1	7.4
65-300 MHz	4.3	6.3	4.3	7.5
300-550 MHz	4.5	6.5	4.5	7.6
550-750 MHz	4.6	7.0	4.6	7.7
750-862 MHz	4.8	7.2	4.9	8.0
862-1000 MHz	4.8	7.3	5.0	8.0
1000-1218 MHz	5.3	8.0	5.3	8.5

**Output - Output Isolation (dB)**

	<b>DS55V-2</b>	<b>DS55V-3B</b>	<b>DS55V-3</b>
5-65 MHz	26	22	25
65-860 MHz	24	24	24
860-1218 MHz	22	22	22

**Return Loss - Input / Output (dB)**

	<b>DS55V-2</b>	<b>DS55V-3B</b>	<b>DS55V-3</b>
10-47 MHz	18	18	18
47-950 MHz	18	18	18
950-1218 MHz	14	14	14

**Mainline Couplers - 1.218 GHz****Insertion Loss (dB) Tolerance: ± 0.25**

	<b>DC55V-8</b>	<b>DC55V-12</b>	<b>DC55V-16</b>	<b>DC55V-PI-x</b>
5-65 MHz	1.8	1.3	1.0	0.8
65-300 MHz	2.3	1.7	1.2	1.1
300-550 MHz	2.5	1.9	1.4	1.2
550-750 MHz	2.7	2.1	1.6	1.3
750-862 MHz	2.9	2.3	1.9	1.3
862-1000 MHz	3.1	2.5	2.0	1.3
1000-1218 MHz	3.3	2.7	2.5	1.4

**Mainline Couplers - 1.218 GHz (cont.)****Tap Value (dB) Tolerance:  $\pm 1.0$  ( $\pm 1.5$  for 1000-1218MHz)**

	DC55V-8	DC55V-12	DC55V-16	DC55V-PI-x
5-65 MHz	8	12	16	
65-300 MHz	8	12	16	
300-550 MHz	8	12	16	
550-750 MHz	8	12	16	
750-862 MHz	8	12	16	
862-1000 MHz	8	12	16	
1000-1218 MHz	8	12	16	

**Output - Tap Isolation (dB)**

	DC55V-8	DC55V-12	DC55V-16	DC55V-PI-x
5-65 MHz	27.5	27.0	32.0	60.0
66-860 MHz	24.0	27.0	30.0	60.0
861-1218 MHz	22.0	25.0	26.0	52.0

**Return Loss - Input / Output (dB)**

	DC55V-8	DC55V-12	DC55V-16	DC55V-PI-x
10-47 MHz	18	18	18	18
47-950 MHz	18	18	18	18
950-1218 MHz	14	14	14	14

**Hum Modulation @ 15 A (dB)**

	DS55V-2	DS55V-3B	DS55V-3	DC55V-8	DC55V-12	DC55V-16	DC55V-PI-x
5-10 MHz	$\geq -52$	$\geq -52$	$\geq -52$	$\geq -52$	$\geq -52$	$\geq -52$	$\geq -52$
10-15 MHz	$\geq -55$	$\geq -55$	$\geq -55$	$\geq -55$	$\geq -55$	$\geq -55$	$\geq -55$
15-1000 MHz	$\geq -60$	$\geq -60$	$\geq -60$	$\geq -60$	$\geq -60$	$\geq -60$	$\geq -60$
1000-1218 MHz	$\geq -55$	$\geq -55$	$\geq -55$	$\geq -55$	$\geq -55$	$\geq -55$	$\geq -55$

**Screening Effectiveness (dB)**

	DS55V-2	DS55V-3B	DS55V-3B	DC55V-8	DC55V-12	DC55V-16	DC55V-PI-x
5-1000 MHz	$\geq 95$	$\geq 95$	$\geq 95$	$\geq 95$	$\geq 95$	$\geq 95$	$\geq 95$
1000-1218 MHz	$\geq 85$	$\geq 85$	$\geq 85$	$\geq 85$	$\geq 85$	$\geq 85$	$\geq 85$

# 55 SERIES 1.0 GHz INLINE REVERSE WINDOW TAP

[DT55G-SR-CB-IL-xxx/xx-CS-xx] Cable Products, Mainline Passives

## Description

Taikan's 33 series taps have been designed with the future of the CATV industry in mind. The reverse window option allows for the more efficient use of high value taps by having a greater loss at higher frequencies and a lower loss in the lower frequencies. This feature is available in three forward path tap values: 26, 29, and 32 dB, and three return path tap values: 17, 20, 23 dB. All units come complete with a factory installed power passing bar for uninterrupted service when the faceplate is removed. Interchangeable faceplates allow for future network growth while minimizing costly equipment upgrades for cable providers. All taps are backed by a one year limited warranty.

## Features

- 5-1002 MHz Bandwidth
- Inline Reverse Window Design
- 12 A Current Capacity
- Aluminum Alloy Housing used for Corrosion Resistance
- Neoprene Weather Gasket and RFI Shielding at 120 dB
- Blocking Capacitors on the "F" ports for Extended Surge Resistance
- ANSI/SCTE 01-2015 Fully Compliant F-Connectors
- Epoxy Sealed and Nickel Plated Brass "F" Ports
- Double Polyurethane Coating for Greater Weather Protection
- Operational Temperature Range -40°C to +60°C (-40°F to +140°F)
- Power Passing Option: CB: Continuous Through Signal without Faceplate
- Easily Interchangeable 2/4 Port Faceplates
- Aerial or Pedestal Installation for Outdoor Use
- Compliant with SCTE Guidelines
- 2/4 Port Widebody Model Options Available
- Flatness In/Out: ± 0.5, Flatness In/Tap: ± 0.5
- Connector: 5/8" - 24 NEF Female for In/Out
- Surge Withstand: IEEE C62.41-1991 Category B3/6kV Combination Wave, 3000 A



## Ordering Information

DT55G - SR - CB - IL - x xx / xx - CS - xx

Refer to **Forward Path dB and Return Path dB Values in Specifications Table** for Corresponding CS Number

17, 20, or 23 for Return Path dB Value

26, 29, or 32 for Forward Path dB Value

2, 4, or 8 Port

Model Number	Inner Box	Standard Carton	Carton Weight	Forward Path dB Values Available	Return Path dB Values Available
DT55G-SR-CB-IL-2xx/xx-CS-xx	10 pcs	50 pcs	18 kg / 40 lbs	26, 29, 32	17, 20, 23
DT55G-SR-CB-IL-4xx/xx-CS-xx	10 pcs	50 pcs	19 kg / 42 lbs	26, 29, 32	17, 20, 23
DT55G-SR-CB-IL-8xx/xx-CS-xx	10 pcs	40 pcs	23 kg / 51 lbs	26, 29, 32	17, 20, 23
DT55G-SR-CB-IL-82xx/xx-CS-xx	10 pcs	40 pcs	23 kg / 51 lbs	26, 29, 32	17, 20, 23
DT55G-SR-CB-IL-84xx/xx-CS-xx	10 pcs	40 pcs	23 kg / 51 lbs	26, 29, 32	17, 20, 23

## Specifications

Frequency	Insertion Loss (17 dB Return Path)			2-Port (dB)			4-Port (dB)			8-Port (dB)		
	26/17 (CS-9)	29/17 (CS-12)	32/17 (CS-15)	26/17 (CS-9)	29/17 (CS-12)	32/17 (CS-15)	26/17 (CS-9)	29/17 (CS-12)	32/17 (CS-15)	26/17 (CS-9)	29/17 (CS-12)	32/17 (CS-15)
5-42 MHz	1.3	1.3	1.3	1.5	1.5	1.5	2.2	2.2	2.2	2.2	2.2	2.2
42-400 MHz	1.6	1.6	1.6	1.9	1.9	1.9	2.2	2.2	2.2	2.2	2.2	2.2
400-750 MHz	1.8	1.8	1.8	2.1	2.1	2.1	2.7	2.7	2.7	2.7	2.7	2.7
750-1002 MHz	2.1	2.1	2.1	2.4	2.4	2.4	3.1	3.1	3.1	3.1	3.1	3.1

Frequency	Insertion Loss (20 dB Return Path)			2-Port (dB)			4-Port (dB)			8-Port (dB)		
	26/20 (CS-6)	29/20 (CS-9)	32/20 (CS-12)	26/20 (CS-6)	29/20 (CS-9)	32/20 (CS-12)	26/20 (CS-6)	29/20 (CS-9)	32/20 (CS-12)	26/20 (CS-6)	29/20 (CS-9)	32/20 (CS-12)
5-42 MHz	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
42-400 MHz	1.3	1.3	1.3	1.5	1.5	1.5	1.8	1.8	1.8	1.8	1.8	1.8
400-750 MHz	1.5	1.5	1.5	1.8	1.8	1.8	2.1	2.1	2.1	2.1	2.1	2.1
750-1002 MHz	1.9	1.9	1.9	2.1	2.1	2.1	2.4	2.4	2.4	2.4	2.4	2.4

Frequency	Insertion Loss (23 dB Return Path)			2-Port (dB)			4-Port (dB)			8-Port (dB)		
	26/23 (CS-3)	29/23 (CS-6)	32/23 (CS-9)	26/23 (CS-3)	29/23 (CS-6)	32/23 (CS-9)	26/23 (CS-3)	29/23 (CS-6)	32/23 (CS-9)	26/23 (CS-3)	29/23 (CS-6)	32/23 (CS-9)
5-42 MHz	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
42-400 MHz	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2	1.2	1.2	1.2
400-750 MHz	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6
750-1002 MHz	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0

Frequency	Tap Value (17 dB Return Path)			2-Port (dB)			4-Port (dB)			8-Port (dB)		
	26/17 (CS-9)	29/17 (CS-12)	32/17 (CS-15)	26/17 (CS-9)	29/17 (CS-12)	32/17 (CS-15)	26/17 (CS-9)	29/17 (CS-12)	32/17 (CS-15)	26/17 (CS-9)	29/17 (CS-12)	32/17 (CS-15)
5-42 MHz	16.7	16.7	16.8	17.1	17.2	17.3	16.5	16.6	16.8	16.5	16.6	16.8
42-400 MHz	19.9	20.9	22.2	20.5	21.5	22.5	20.1	21.1	22.2	20.1	21.1	22.2
400-750 MHz	22.4	24.2	26.1	22.8	24.6	26.3	22.5	24.3	26.1	22.5	24.3	26.1
750-1002 MHz	24.4	26.8	29.3	24.5	27.0	29.4	24.4	26.8	29.3	24.4	26.8	29.3

Frequency	Tap Value (20 dB Return Path)			2-Port (dB)			4-Port (dB)			8-Port (dB)		
	26/20 (CS-6)	29/20 (CS-9)	32/20 (CS-12)	26/20 (CS-6)	29/20 (CS-9)	32/20 (CS-12)	26/20 (CS-6)	29/20 (CS-9)	32/20 (CS-12)	26/20 (CS-6)	29/20 (CS-9)	32/20 (CS-12)
5-42 MHz	19.7	19.7	19.8	20.1	20.3	20.3	19.5	19.6	19.8	19.5	19.6	19.8
42-400 MHz	22.2	23.3	24.3	22.5	23.6	24.7	22.1	23.2	24.3	22.1	23.2	24.3
400-750 MHz	23.8	25.7	27.5	24.0	25.9	27.7	23.7	25.6	27.5	23.7	25.6	27.5
750-1002 MHz	25.1	27.5	29.9	25.1	27.6	30.0	25.0	27.5	29.9	25.0	27.5	29.9

### General Specifications: Power Passing 12 A, 60/90 VAC

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Tap Value (23 dB Return Path) Tolerance: ± 1.0	2-Port (dB)			4-Port (dB)			8-Port (dB)		
	26/23 (CS-3)	29/23 (CS-6)	32/23 (CS-9)	26/23 (CS-3)	29/23 (CS-6)	32/23 (CS-9)	26/23 (CS-3)	29/23 (CS-6)	32/23 (CS-9)
Frequency 5–42 MHz	22.7	22.7	22.8	23.1	23.2	23.3	22.5	22.6	22.8
42–400 MHz	24.1	25.2	26.4	24.3	25.5	26.7	23.9	25.2	26.4
400–750 MHz	24.9	26.8	28.7	25.0	27.0	28.9	24.8	26.8	28.7
750–1002 MHz	25.5	28.0	30.5	25.6	28.1	30.6	25.5	28.0	30.5

Tap to Tap Isolation (dB)	2-Port (dB)			4-Port (dB)			8-Port (dB)		
	26/xx	29/xx	32/xx	26/xx	29/xx	32/xx	26/17	29/xx	32/xx
Frequency 5–42 MHz	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
42–400 MHz	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
400–750 MHz	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
750–1002 MHz	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0

Output to Tap Isolation (dB)	2-Port (dB)			4-Port (dB)			8-Port (dB)		
	26/xx	29/xx	32/xx	26/xx	29/xx	32/xx	26/xx	29/xx	32/xx
Frequency 5–42 MHz	28.0	28.0	28.0	28.0	28.0	28.0	26.0	26.0	26.0
42–400 MHz	33.0	33.0	33.0	33.0	33.0	33.0	32.0	32.0	32.0
400–750 MHz	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
750–1002 MHz	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0

Input/Output/Tap Return Loss (dB)	2-Port (dB)			4-Port (dB)			8-Port (dB)		
	26/xx	29/xx	32/xx	26/xx	29/xx	32/xx	26/xx	29/xx	32/xx
Frequency 5–42 MHz	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
42–400 MHz	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
400–750 MHz	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
750–1002 MHz	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0

General Specifications: Power Passing 12 A, 60/90 VAC



# 55 SERIES 1.218 GHz INLINE REVERSE WINDOW TAP

[DT55V-SR-CB-IL-xxx/xx-CS-xx] *Cable Products, Mainline Passives*

## Description

Taikan's 33 series taps have been designed with the future of the CATV industry in mind. The reverse window option allows for the more efficient use of high value taps by having a greater loss at higher frequencies and a lower loss in the lower frequencies. This feature is available in three forward path tap values: 26, 29, and 32 dB, and three return path tap values: 17, 20, 23 dB. All units come complete with a factory installed power passing bar for uninterrupted service when the faceplate is removed. Interchangeable faceplates allow for future network growth while minimizing costly equipment upgrades for cable providers. All taps are backed by a one year limited warranty.

## Features

- 5-1218 MHz Bandwidth
- Inline Reverse Window Design
- 12 A Current Capacity
- Aluminum Alloy Housing used for Corrosion Resistance
- Neoprene Weather Gasket and RFI Shielding at 120 dB
- Blocking Capacitors on the "F" ports for Extended Surge Resistance
- ANSI/SCTE 01-2015 Fully Compliant F-Connectors
- Epoxy Sealed and Nickel Plated Brass "F" Ports
- Double Polyurethane Coating for Greater Weather Protection
- Operational Temperature Range -40°C to +60°C (-40°F to +140°F)
- Power Passing Option: CB: Continuous Through Signal without Faceplate
- Easily Interchangeable 2/4 Port Faceplates
- Aerial or Pedestal Installation for Outdoor Use
- Compliant with SCTE Guidelines
- 2/4 Port Widebody Model Options Available
- Flatness In/Out: ± 0.5, Flatness In/Tap: ± 0.5
- Connector: 5/8" - 24 NEF Female for In/Out
- Surge Withstand: IEEE C62.41-1991 Category B3/6kV Combination Wave, 3000 A



## Ordering Information

DT55V - SR - CB - IL - **X** **XX** / **XX** - CS - **XX**

Refer to **Forward Path dB and Return Path dB Values in Specifications Table** for Corresponding CS Number

17, 20, or 23 for Return Path dB Value

26, 29, or 32 for Forward Path dB Value

2, 4, or 8 Port

Model Number	Inner Box	Standard Carton	Carton Weight	Forward Path dB Values Available	Return Path dB Values Available
DT55V-SR-CB-IL-2xx/xx-CS-xx	10 pcs	50 pcs	18 kg / 40 lbs	26, 29, 32	17, 20, 23
DT55V-SR-CB-IL-4xx/xx-CS-xx	10 pcs	50 pcs	19 kg / 42 lbs	26, 29, 32	17, 20, 23
DT55V-SR-CB-IL-8xx/xx-CS-xx	10 pcs	40 pcs	23 kg / 51 lbs	26, 29, 32	17, 20, 23
DT55V-SR-CB-IL-82xx/xx-CS-xx	10 pcs	40 pcs	23 kg / 51 lbs	26, 29, 32	17, 20, 23
DT55V-SR-CB-IL-84xx/xx-CS-xx	10 pcs	40 pcs	23 kg / 51 lbs	26, 29, 32	17, 20, 23



## Specifications

		2-Port (dB)			4-Port (dB)			8-Port (dB)		
		26/17 (CS-9)	29/17 (CS-12)	32/17 (CS-15)	26/17 (CS-9)	29/17 (CS-12)	32/17 (CS-15)	26/17 (CS-9)	29/17 (CS-12)	32/17 (CS-15)
Frequency	5-42 MHz	1.3	1.3	1.3	1.5	1.5	1.5	2.2	2.2	2.2
	43-400 MHz	1.6	1.6	1.6	1.9	1.9	1.9	2.2	2.2	2.2
	401-750 MHz	1.8	1.8	1.8	2.1	2.1	2.1	2.7	2.7	2.7
	751-1002 MHz	2.1	2.1	2.1	2.4	2.4	2.4	3.1	3.1	3.1
	1003-1218 MHz	2.3	2.3	2.3	2.6	2.6	2.6	3.3	3.3	3.3
<b>Insertion Loss (17 dB Return Path)</b>		<b>26/17 (CS-9)</b>	<b>29/17 (CS-12)</b>	<b>32/17 (CS-15)</b>	<b>26/17 (CS-9)</b>	<b>29/17 (CS-12)</b>	<b>32/17 (CS-15)</b>	<b>26/17 (CS-9)</b>	<b>29/17 (CS-12)</b>	<b>32/17 (CS-15)</b>
Frequency	5-42 MHz	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.3
	43-400 MHz	1.3	1.3	1.3	1.5	1.5	1.5	1.8	1.8	1.8
	401-750 MHz	1.5	1.5	1.5	1.8	1.8	1.8	2.1	2.1	2.1
	751-1002 MHz	1.9	1.9	1.9	2.1	2.1	2.1	2.4	2.4	2.4
	1003-1218 MHz	2.1	2.1	2.1	2.3	2.3	2.3	2.6	2.6	2.6
<b>Insertion Loss (20 dB Return Path)</b>		<b>26/20 (CS-6)</b>	<b>29/20 (CS-9)</b>	<b>32/20 (CS-12)</b>	<b>26/20 (CS-6)</b>	<b>29/20 (CS-9)</b>	<b>32/20 (CS-12)</b>	<b>26/20 (CS-6)</b>	<b>29/20 (CS-9)</b>	<b>32/20 (CS-12)</b>
Frequency	5-42 MHz	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	43-400 MHz	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2
	401-750 MHz	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6
	751-1002 MHz	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0
	1003-1218 MHz	2.1	2.1	2.1	2.1	2.1	2.1	2.5	2.5	2.5
<b>Insertion Loss (23 dB Return Path)</b>		<b>26/23 (CS-3)</b>	<b>29/23 (CS-6)</b>	<b>32/23 (CS-9)</b>	<b>26/23 (CS-3)</b>	<b>29/23 (CS-6)</b>	<b>32/23 (CS-9)</b>	<b>26/23 (CS-3)</b>	<b>29/23 (CS-6)</b>	<b>32/23 (CS-9)</b>
Frequency	5-42 MHz	16.7	16.7	16.8	17.1	17.2	17.3	16.5	16.6	16.8
	43-400 MHz	19.9	20.9	22.2	20.5	21.5	22.5	20.1	21.1	22.2
	401-750 MHz	22.4	24.2	26.1	22.8	24.6	26.3	22.5	24.3	26.1
	751-1002 MHz	24.4	26.8	29.3	24.5	27.0	29.4	24.4	26.8	29.3
	1003-1218 MHz	26.0	29.0	32.0	26.0	29.0	32.0	26.0	29.0	32.0
<b>Tap Value (17 dB Return Path)</b>		<b>26/17 (CS-9)</b>	<b>29/17 (CS-12)</b>	<b>32/17 (CS-15)</b>	<b>26/17 (CS-9)</b>	<b>29/17 (CS-12)</b>	<b>32/17 (CS-15)</b>	<b>26/17 (CS-9)</b>	<b>29/17 (CS-12)</b>	<b>32/17 (CS-15)</b>
<b>Tolerance: ± 1.5</b>										
Frequency	5-42 MHz	19.7	19.7	19.8	20.1	20.3	20.3	19.5	19.6	19.8
	43-400 MHz	22.2	23.3	24.3	22.5	23.6	24.7	22.1	23.2	24.3
	401-750 MHz	23.8	25.7	27.5	24.0	25.9	27.7	23.7	25.6	27.5
	751-1002 MHz	25.1	27.5	29.9	25.1	27.6	30.0	25.0	27.5	29.9
	1003-1218 MHz	26.0	29.0	32.0	26.0	29.0	32.0	26.0	29.0	32.0
<b>Tap Value (20 dB Return Path)</b>		<b>26/20 (CS-6)</b>	<b>29/20 (CS-9)</b>	<b>32/20 (CS-12)</b>	<b>26/20 (CS-6)</b>	<b>29/20 (CS-9)</b>	<b>32/20 (CS-12)</b>	<b>26/20 (CS-6)</b>	<b>29/20 (CS-9)</b>	<b>32/20 (CS-12)</b>
<b>Tolerance: ± 1.5</b>										

**General Specifications: Power Passing 12 A, 60/90 VAC**

## Specifications

Tap Value (23 dB Return Path) Tolerance: ± 1.5	2-Port (dB)			4-Port (dB)			8-Port (dB)		
	26/23 (CS-3)	29/23 (CS-6)	32/23 (CS-9)	26/23 (CS-3)	29/23 (CS-6)	32/23 (CS-9)	26/23 (CS-3)	29/23 (CS-6)	32/23 (CS-9)
Frequency 5–42 MHz	22.7	22.7	22.8	23.1	23.2	23.3	22.5	22.6	22.8
43–400 MHz	24.1	25.2	26.4	24.3	25.5	26.7	23.9	25.2	26.4
401–750 MHz	24.9	26.8	28.7	25.0	27.0	28.9	24.8	26.8	28.7
751–1002 MHz	25.5	28.0	30.5	25.6	28.1	30.6	25.5	28.0	30.5
1003-1218 MHz	26.0	29.0	32.0	26.0	29.0	32.0	26.0	29.0	32.0
Tap to Tap Isolation (dB)	26/xx	29/xx	32/xx	26/xx	29/xx	32/xx	26/17	29/xx	32/xx
Frequency 5–42 MHz	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
43–400 MHz	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
401–750 MHz	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
751–1002 MHz	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
1003-1218 MHz	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
Output to Tap Isolation (dB)	26/xx	29/xx	32/xx	26/xx	29/xx	32/xx	26/xx	29/xx	32/xx
Frequency 5–42 MHz	28.0	28.0	28.0	28.0	28.0	28.0	26.0	26.0	26.0
43–400 MHz	33.0	33.0	33.0	33.0	33.0	33.0	32.0	32.0	32.0
401–750 MHz	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
751–1002 MHz	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
1003-1218 MHz	27.0	27.0	27.0	27.0	27.0	27.0	28.0	28.0	28.0
Input/Output/Tap Return Loss (dB)	26/xx	29/xx	32/xx	26/xx	29/xx	32/xx	26/xx	29/xx	32/xx
Frequency 5–42 MHz	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
43–400 MHz	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
401–750 MHz	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
751–1002 MHz	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
1003-1218 MHz	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0

### General Specifications: Power Passing 12 A, 60/90 VAC

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# SIGNAL CONDITIONING ACCESSORIES (SCA)

Cable Products, Mainline Passives, Conditioning Plugs for Taps

## Features

- 5–1218 MHz Bandwidth
- 12 Amp Current Capacity
- CB: Continuous Through Signal without Faceplate
- SCA: Plug In Signal Conditioning Accessory Installed in the Unit.
- Aluminum Alloy Housing used for Corrosion Resistance
- Double Polyurethane Coating for Greater Weather Protection
- Neoprene Gasket and RFI Shielding Gasket
- Printed Circuit Board

## General Specifications

Flatness (5-1218 MHz) |  $\pm 0.35$  dB (minimum)  
 RFI (5-1218 MHz) | -100 dB (minimum)  
 Current | 12 Amps Continuous  
 Nominal Impedance | 75 Ohms

## Ordering Information

### Conditioning Taps with SCA

DT  V - SR - CB - SCA -    
 33, 55, 66, or 88      see dB values below  
 2, 4, or 8 port

Model Number	Standard Carton	Inner Box	Carton Weight	dB Values Available
DTxxV-SR-CB-SCA-2xx	50 pcs (40 pcs)**	10 pcs	17 kg / 37 lbs	-04T, -08, -11, -14, -17, -20, -23, -26, -29, -32, -35
DTxxV-SR-CB-SCA-4xx	50 pcs (40 pcs)**	10 pcs	18 kg / 40 lbs	-08T, -11, -14, -17, -20, -23, -26, -29, -32, -35
DTxxV-SR-CB-SCA-8xx	40 pcs	10 pcs	21 kg / 46 lbs	-11T, -14, -17, -20, -23, -26, -29, -32, -35

\*\*66, 88 series are 40 pcs

### Signal Conditioning Accessories

SCA -       
 U: (5-42 MHz); E: (5-65 MHz)  
 J: (5-55 MHz); S: (5-30 MHz) M: (5-85 MHz) (use for RPA, FPA, or HP)  
 2, 4, 6, 8, 10 dB (use for RPA)  
 3, 5, 6, 8, 10, 11, 13, 15 dB (use for EQ)  
 4, 7, 10, 13 dB (use for CS or FPA)  
 CS-, EQ-, FPA-, RPA-, HP-

Model Number	Std Qty	Inner Box	Description	Values (dB)
SCA-CS-xx	30 pcs	10 pcs	Cable Simulator - Maintains low loss in the return drop path, while attenuating the forward drop signals to the proper system levels.	4, 7, 10, 13
SCA-EQ-xx	30 pcs	10 pcs	Cable Equalizer - Attenuates the return path signal from the customer premise, thus reducing the effects of system ingress. In addition, tightens the window of return path signal variation allowing for efficient operation of an optical nodes' return transmitter.	3, 5, 6, 8, 10, 11, 13, 15
SCA-RPA-xx-x	30 pcs	10 pcs	Return Path Attenuator - Similar to SCA-EQ, except is split dependent and provides less impact on the forward drop signal.	2, 4, 6, 8, 10
SCA-FPA-xx-x	30 pcs	10 pcs	Forward Path Attenuator - Attenuates the forward path to reduce the signal level into the customer premise	4, 7, 10, 13
SCA-JP	30 pcs	10 pcs	Jumper - To ensure the continued signal transmission.	
SCA-HP-xx	30 pcs	10 pcs	High Pass Plug In - Similar to SCA-RPA but attenuates the return path even more. Reduces system expense by not requiring a filter on every port.	Customizable



**CS: Cable Simulator / SCA-CS-xx dB**

**Insertion Loss (dB)**

Frequency	CS-4	CS-7	CS-10	CS-13
5-42 MHz	1.0	1.0	1.0	1.0
42-400 MHz	2.0	2.5	3.0	5.0
400-750 MHz	3.0	5.0	7.5	9.0
750-1002 MHz	3.8	6.5	10.0	12.5
1002-1218 MHz	4.5	8.0	12.0	16.0

**Return Loss (dB)**

Frequency	CS-4	CS-7	CS-10	CS-13
5-1002 MHz	16	16	16	16
1002-1218 MHz	12	12	12	12

**FPA: Forward Path Attenuator / SCA-FPA-xx dB**

**Insertion Loss (dB)**

Frequency	FPA-4	FPA-7	FPA-10	FPA-13
5-42 MHz	1.0	1.0	1.0	1.0
42-400 MHz	3.0	6.0	9.0	12.0
400-750 MHz	3.0	6.0	9.0	12.0
750-1002 MHz	3.8	6.5	10.0	13.0
1002-1218 MHz	3.8	6.5	10.0	13.0

**Return Loss (dB)**

Frequency	FPA-4	FPA-7	FPA-10	FPA-13
5-1002 MHz	16	16	16	16
1002-1218 MHz	12	12	12	12

**EQ: Cable Equalizer / SCA-EQ-xx dB**

**Insertion Loss (dB)**

Frequency	EQ-3	EQ-5	EQ-6	EQ-8	EQ-10	EQ-11	EQ-13	EQ-15
5-42 MHz	3.0	4.5	6.0	7.5	9.5	11.0	13.0	14.5
42-400 MHz	2.5	3.0	4.0	5.0	5.5	6.5	7.0	7.5
400-750 MHz	1.0	1.0	1.0	1.0	1.5	2.0	2.0	2.0
750-1002 MHz	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0
1002-1218 MHz	1.0	1.0	1.0	1.0	1.2	1.2	1.2	1.2

**Return Loss (dB)**

Frequency	EQ-3	EQ-5	EQ-6	EQ-8	EQ-10	EQ-11	EQ-13	EQ-15
5-1002 MHz	16	16	16	16	16	16	16	16
1002-1218 MHz	12	12	12	12	12	12	12	12

**RPA: Return Path Attenuator / SCA-RPA-xx dB**

**Insertion Loss (dB)**

Frequency	RPA-2	RPA-4	RPA-6	RPA-8	RPA-10
5-15 MHz	2.0	4.0	6.0	8.0	10.0
15-42 MHz	6.0	8.0	10.0	12.0	14.0
42-400 MHz	2.0	2.0	2.0	2.0	2.0
400-750 MHz	1.5	1.5	1.5	1.5	1.5
750-1002 MHz	1.0	1.0	1.0	1.0	1.0
1002-1218 MHz	1.2	1.2	1.2	1.2	1.2

**Return Loss (dB)**

Frequency	RPA-2	RPA-4	RPA-6	RPA-8	RPA-10
5-1002 MHz	16	16	16	16	16
1002-1218 MHz	12	12	12	12	12

**HPF: High Pass Filter / SCA-HP-xx dB**

**Insertion Loss (dB)**

Frequency	HPF-54	
5-42 MHz	45.0	<b>*54 MHz Filter Design Shown</b>
42-400 MHz	3.0	
400-750 MHz	2.5	
750-1002 MHz	1.0	
1002-1218 MHz	1.0	

**Return Loss (dB)**

Frequency	HPF-54
5-1002 MHz	16
1002-1218 MHz	12

\*Currently Unavailable in the United States

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