

# 55 SERIES 1.218 GHz OUTDOOR TAPS

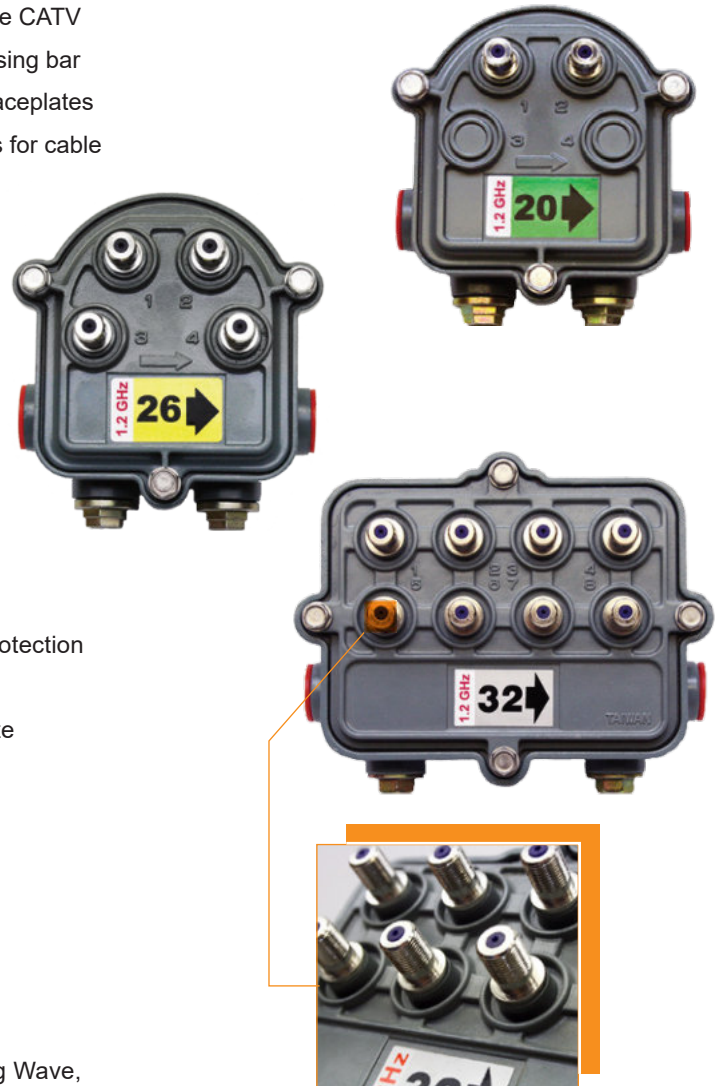
[DT55V-SR-CB-x-x] Cable Products, Mainline Passives

## Description

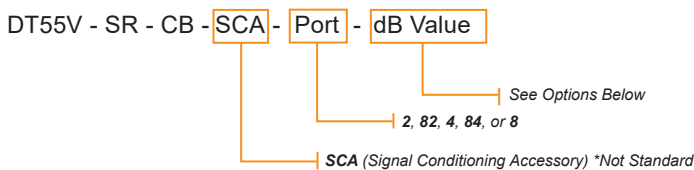
Taikan's 55 series 1.218 GHz taps have been designed with the future of the CATV industry in mind. All units come complete with a factory installed power passing bar for uninterrupted service when the faceplate is removed. Interchangeable faceplates allow for future network growth while minimizing costly 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
- Heat Resistant Silicone Sealed and Nickel Plated Brass "F" Ports
- Double Polyurethane Coating or Powder 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/Ring Wave,



## Ordering Information



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

\* 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	
		Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ
5-15 MHz	T	4.4	3.8	2.5	2.1	1.8	1.5	1.7	1.4	1.5	1.2	1.3	1.0	1.3	1.0	1.3	1.0
15-65 MHz	T	4.2	3.6	2.3	1.9	1.6	1.3	1.6	1.2	1.3	1.0	1.1	0.8	1.1	0.8	1.1	0.8
65-300 MHz	T	4.4	3.8	2.8	2.4	2.0	1.6	1.6	1.2	1.5	1.2	1.2	0.9	1.2	0.9	1.2	0.9
300-550 MHz	T	4.4	3.8	2.8	2.4	2.0	1.6	1.6	1.2	1.6	1.2	1.3	0.9	1.3	0.9	1.3	0.9
550-750 MHz	T	5.3	4.7	3.6	3.2	2.8	2.3	2.3	1.8	2.2	1.8	2.1	1.7	2.1	1.7	2.1	1.7
750-862 MHz	T	5.3	4.7	3.6	3.2	2.8	2.3	2.3	1.8	2.2	1.8	2.1	1.7	2.1	1.7	2.1	1.7
862-1000 MHz	T	5.3	4.7	3.6	3.2	2.8	2.3	2.3	1.8	2.2	1.8	2.1	1.7	2.1	1.7	2.1	1.7
1000-1218 MHz	T	5.8	5.2	4.1	3.7	3.2	2.7	2.7	2.2	2.5	2.1	2.4	2.0	2.4	2.0	2.4	2.1

Tap Value (dB) (± 1.0 5-65 MHz) (± 1.2 65-860 MHz) (± 1.5 860-1218MHz)

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

Tap to Tap Isolation (dB) (Max)

Frequency	4T	8	11	14	17	20	23	26	29
5-30 MHz	18	18	18	18	18	18	18	18	18
10-65 MHz	23	23	23	23	23	23	23	23	23
65-860 MHz	22	22	22	22	22	22	22	22	22
860-1218 MHz	20	20	20	20	20	20	20	20	20

Out to Tap Isolation (dB) (Max)

Frequency	4T	8	11	14	17	20	23	26	29
5-10 MHz	T	21	23	24	26	27	29	30	31
10-65 MHz	T	27	27	27	27	27	37	37	37
65-860 MHz	T	25	25	25	25	25	33	33	33
860-1218 MHz	T	24	24	24	24	24	28	30	30

Return Loss Input / Output (dB) (Min)

Frequency	4T	8	11	14	17	20	23	26	29
5-10 MHz	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15
10-47 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
47-950 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
950-1218 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16

Return Loss Tap (dB) (Min)

Frequency	4T	8	11	14	17	20	23	26	29
5-10 MHz	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15
10-47 MHz	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14
47-950 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
950-1218 MHz	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14

Hum Modulation (dB) @ 12 A (Min)

Frequency	4T	8	11	14	17	20	23	26	29
5-700 MHz	≥ 60	≥ 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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## 4 Port Specifications - 1.218 GHz

Customization available upon request

### Insertion Loss (dB)

Frequency	8T	11		14		17		20		23		26		29	
		Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ
5-10 MHz	T	4.4	3.8	2.4	2.0	1.7	1.4	1.6	1.3	1.4	1.1	1.2	0.9	1.2	0.9
10-65 MHz	T	4.2	3.6	2.3	1.9	1.5	1.2	1.5	1.1	1.2	0.9	1.0	0.7	1.0	0.7
65-300 MHz	T	4.9	4.3	2.7	2.3	2.0	1.6	1.6	1.2	1.5	1.2	1.3	1.0	1.3	1.0
300-550 MHz	T	4.9	4.3	2.7	2.3	2.0	1.6	1.7	1.2	1.6	1.2	1.4	1.0	1.4	1.0
550-750 MHz	T	5.5	4.9	3.4	3.0	2.6	2.1	2.5	2.0	2.0	1.6	2.0	1.6	2.0	1.6
750-862 MHz	T	5.5	4.9	3.4	3.0	2.6	2.1	2.5	2.0	2.0	1.6	2.0	1.6	2.0	1.6
862-1000 MHz	T	5.5	4.9	3.4	3.0	2.6	2.1	2.5	2.0	2.0	1.6	2.0	1.6	2.0	1.6
1000-1218 MHz	T	5.9	5.0	3.8	3.4	3.1	2.6	2.8	2.3	2.4	1.9	2.3	1.9	2.4	2.0

### Tap Value (dB) (± 1.0 5-65 MHz) (± 1.2 65-860 MHz) (± 1.5 860-1218MHz)

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

### Tap to Tap Isolation (dB) (Max)

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

### Out to Tap Isolation (dB) (Max)

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

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

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

### Return Loss Tap (dB) (Min)

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

### Hum Modulation (dB) @ 12 A (Min)

Frequency	8T	11	14	17	20	23	26	29
5-700 MHz	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60
700-1218 MHz	≥ 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)													
		11T	14		17		20		23		26		29		
Frequency			Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	
Frequency	5-10 MHz	T	4.4	3.8	2.4	2.0	1.7	1.4	1.5	1.3	1.2	1.0	1.2	1.0	
	10-65 MHz	T	4.2	3.6	2.3	1.9	1.5	1.2	1.2	0.9	1.0	0.8	1.0	0.8	
	65-300 MHz	T	4.6	4.0	2.6	2.2	1.9	1.6	1.5	1.2	1.4	1.1	1.3	1.1	
	300-550 MHz	T	4.6	4.0	2.7	2.2	2.1	1.6	1.5	1.2	1.4	1.1	1.4	1.1	
	550-750 MHz	T	5.1	4.5	3.5	3.0	2.5	2.1	2.2	1.9	1.9	1.6	2.0	1.7	
	750-862 MHz	T	5.1	4.5	3.5	3.0	2.5	2.1	2.3	1.9	1.9	1.6	2.0	1.7	
	862-1000 MHz	T	5.1	4.5	3.5	3.0	2.6	2.1	2.3	1.9	1.9	1.6	2.0	1.7	
	1000-1218 MHz	T	5.7	4.9	3.9	3.4	3.1	2.6	2.4	2.1	2.3	2.0	2.4	2.1	
		Tap Value (dB) (± 1.0 5-65 MHz) (± 1.2 65-860 MHz) (± 1.5 860-1218MHz)													
Frequency		11T	14		17		20		23		26		29		
Frequency	5-65 MHz	11	14	17	20	23	26	29							
	65-860 MHz	11	14	17	20	23	26	29							
	860-1218 MHz	11	14	17	20	23	26	29							
		Tap to Tap Isolation (dB) (Max)													
Frequency		11T	14		17		20		23		26		29		
Frequency	5-10 MHz	18	18	18	18	18	18	18							
	10-65 MHz	23	23	23	23	23	23	23							
	65-860 MHz	22	22	22	22	22	22	22							
	860-1218 MHz	20	20	20	20	20	20	20							
		Out to Tap Isolation (dB) (Max)													
Frequency		11T	14		17		20		23		26		29		
Frequency	5-10 MHz	T	24	26	27	29	30	32							
	10-65 MHz	T	27	27	29	35	35	35							
	65-860 MHz	T	27	27	27	33	33	33							
	860-1218 MHz	T	25	25	25	30	30	30							
		Return Loss Input / Output (dB) (Min)													
Frequency		11T	14		17		20		23		26		29		
Frequency	5-10 MHz	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15							
	10-47 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16							
	47-950 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16							
	950-1218 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16							
		Return Loss Tap (dB) (Min)													
Frequency		11T	14		17		20		23		26		29		
Frequency	5-10 MHz	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15							
	10-47 MHz	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14							
	47-950 MHz	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16							
	950-1218 MHz	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14							
		Hum Modulation (dB) @ 12 A (Min)													
Frequency		11T	14		17		20		23		26		29		
Frequency	5-700 MHz	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60							
	700-1218 MHz	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50							

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