

55 SERIES OUTDOOR TAPS [DT55G-SR-CB-PIM-xxx]

Cable Products, Mainline Passives



Description

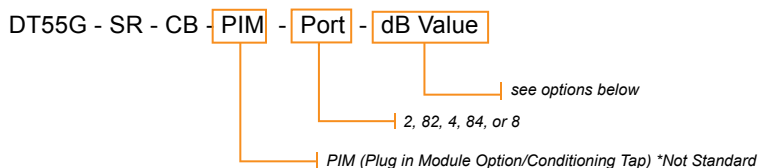
Taikan's 55 series taps have been designed with the future of the CATV industry in mind. All units come complete with a factory installed power passing bar for uninterrupted service when the faceplate is removed. Interchangeable faceplates allow for future network growth while minimizing costly equipment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



Features

- 5-1002 MHz Bandwidth
- Plug In Module: PIM feature for conditioning tap
- Standard jumper installed
- Options: PIM-EQ-xx, PIM-CS-xx, PIM-RPA-xx, PIM-FPA-xx, PIM-HPF-54
- 15 Amp current capacity
- SR : Blocking capacitors on the “F” ports for extended surge resistance
- CB: continuous bar AC/RF bypass switch when faceplate removed
- Aluminum alloy housing used for corrosion resistance
- Double polyurethane coating for greater weather protection
- Rubber gasket and RFI shielding gasket
- Epoxy sealed and nickel plated brass “F” Ports
- Printed Circuit Boards
- Easily interchangeable 2/4 Port Faceplates
- Aerial or pedestal installation
- Compliant with SCTE guidelines

Ordering Information



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



2 Port Specifications

Insertion Loss (dB)

	4T	8	11	14	17	20	23	26	29	32
Frequency 5–42 MHz	T	3.4	1.6	1.0	0.9	0.7	0.7	0.7	0.7	0.7
43–400 MHz	T	3.6	1.6	1.1	1.0	0.5	0.6	0.6	0.6	0.6
401–750 MHz	T	4.3	2.3	1.5	1.4	1.2	1.1	1.1	1.1	1.1
751–1002 MHz	T	4.5	2.8	2.0	1.9	1.6	1.6	1.6	1.6	1.6

Tap Value (dB)

	4T	8	11	14	17	20	23	26	29	32
Frequency 5–600 MHz	4 ± 1.0	8 ± 1.0	11 ± 1.0	14 ± 1.0	17 ± 1.0	20 ± 1.0	23 ± 1.0	26 ± 1.0	29 ± 1.0	32 ± 1.0
601–800 MHz	4 ± 1.3	8 ± 1.3	11 ± 1.3	14 ± 1.3	17 ± 1.3	20 ± 1.3	23 ± 1.3	26 ± 1.3	29 ± 1.3	32 ± 1.3
801–1002 MHz	4 ± 1.5	8 ± 1.5	11 ± 1.5	14 ± 1.5	17 ± 1.5	20 ± 1.5	23 ± 1.5	26 ± 1.5	29 ± 1.5	32 ± 1.5

Tap to Tap Isolation (dB)

	4T	8	11	14	17	20	23	26	29	32
Frequency 5–15 MHz	22	22	22	22	22	22	22	22	22	22
16–42 MHz	25	25	25	25	25	25	25	25	25	25
43–600 MHz	25	25	25	25	25	25	25	25	25	25
601–1002 MHz	22	22	22	22	22	22	22	22	22	22

Output to Tap Isolation (dB)

	4T	8	11	14	17	20	23	26	29	32
Frequency 5–15 MHz	T	22	22	24	27	30	35	38	40	44
16–400 MHz	T	23	26	30	30	34	36	38	42	45
401–750 MHz	T	22	22	22	28	30	32	32	32	32
751–1002 MHz	T	22	22	22	28	30	32	32	32	32

Input / Output / Tap Return Loss (dB)

	4T	8	11	14	17	20	23	26	29	32
Frequency 5–15 MHz	18	18	18	18	18	18	18	18	18	18
16–42 MHz	18	18	18	18	18	18	18	18	18	18
43–400 MHz	20	20	20	20	20	20	20	20	20	20
401–1002 MHz	18	18	18	18	18	18	18	18	18	18

Hum Modulation @ 10 Amp (dB)

5–1002 MHz	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60
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General Specifications: Power Passing 15 Amp, 90 VAC

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4 Port Specifications

Insertion Loss (dB)

	8T	11	14	17	20	23	26	29	32	35
Frequency 5–42 MHz	T	3.2	1.8	1.0	1.2	0.8	0.7	0.6	0.7	0.7
43–400 MHz	T	3.5	1.7	0.9	1.0	0.7	0.6	0.6	0.6	0.6
401–750 MHz	T	4.0	2.3	1.5	1.4	1.2	1.2	1.2	1.2	1.2
751–1002 MHz	T	4.5	3.7	2.4	2.0	1.6	1.6	1.6	1.6	1.6

Tap Value (dB)

	8T	11	14	17	20	23	26	29	32	35
Frequency 5–600 MHz	8 ± 1.0	11 ± 1.0	14 ± 1.0	17 ± 1.0	20 ± 1.0	23 ± 1.0	26 ± 1.0	29 ± 1.0	32 ± 1.0	35 ± 1.0
601–800 MHz	8 ± 1.3	11 ± 1.3	14 ± 1.3	17 ± 1.3	20 ± 1.3	23 ± 1.3	26 ± 1.3	29 ± 1.3	32 ± 1.3	35 ± 1.3
801–1002 MHz	8 ± 1.5	11 ± 1.5	14 ± 1.5	17 ± 1.5	20 ± 1.5	23 ± 1.5	26 ± 1.5	29 ± 1.5	32 ± 1.5	35 ± 1.5

Tap to Tap Isolation (dB)

	8T	11	14	17	20	23	26	29	32	35
Frequency 5–15 MHz	22	22	22	22	22	22	22	22	22	22
16–42 MHz	25	25	25	25	25	25	25	25	25	25
43–600 MHz	25	25	25	25	25	25	25	25	25	25
601–1002 MHz	22	22	22	22	22	22	22	22	22	22

Output to Tap Isolation (dB)

	8T	11	14	17	20	23	26	29	32	35
Frequency 5–15 MHz	T	22	22	22	27	35	38	40	42	44
16–400 MHz	T	25	27	30	33	33	34	42	44	45
401–750 MHz	T	24	25	28	30	30	30	39	41	43
751–1002 MHz	T	22	23	24	25	24	25	27	31	32

Input / Output / Tap Return Loss (dB)

	8T	11	14	17	20	23	26	29	32	35
Frequency 5–15 MHz	18	18	18	18	18	18	18	18	18	18
16–42 MHz	18	18	18	18	18	18	18	18	18	18
43–400 MHz	20	20	20	20	20	20	20	20	20	20
401–1002 MHz	18	18	18	18	18	18	18	18	18	18

Hum Modulation @ 10 Amp (dB)

5–1002 MHz	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60
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8 Port Specifications

Insertion Loss (dB)

	11T	14	17	20	23	26	29	32	35
Frequency 5–42 MHz	T	3.2	1.8	1.1	1.0	1.0	0.8	0.8	0.8
43–400 MHz	T	3.5	2.0	1.5	1.3	1.0	1.0	1.0	1.0
401–750 MHz	T	4.0	2.4	1.8	1.5	1.2	1.2	1.2	1.2
751–1002 MHz	T	4.5	3.5	2.7	2.2	1.8	1.8	1.8	1.8

Tap Value (dB)

	11T	14	17	20	23	26	29	32	35
Frequency 5–600 MHz	11 ± 1.0	14 ± 1.0	17 ± 1.0	20 ± 1.0	23 ± 1.0	26 ± 1.0	29 ± 1.0	32 ± 1.0	35 ± 1.0
601–800 MHz	11 ± 1.3	14 ± 1.3	17 ± 1.3	20 ± 1.3	23 ± 1.3	26 ± 1.3	29 ± 1.3	32 ± 1.3	35 ± 1.3
801–1002 MHz	11 ± 1.5	14 ± 1.5	17 ± 1.5	20 ± 1.5	23 ± 1.5	26 ± 1.5	29 ± 1.5	32 ± 1.5	35 ± 1.5

Tap to Tap Isolation (dB)

	11T	14	17	20	23	26	29	32	35
Frequency 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)

	11T	14	17	20	23	26	29	32	35
Frequency 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	26	30	32	32
751–1002 MHz	T	23	23	25	28	28	28	31	32

Input / Output / Tap Return Loss (dB)

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

Hum Modulation @ 10 Amp (dB)

5–1002 MHz	-60	-60	-60	-60	-60	-60	-60	-60	-60
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