

# 88 SERIES 1.2 GHz OUTDOOR TAPS [DT88V-SR-CB-x-x-x]

Cable Products



## Description

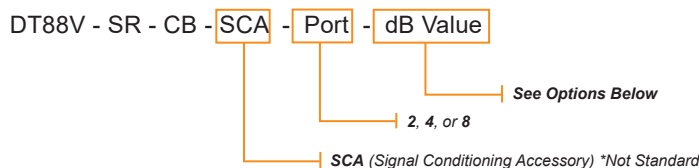
Taikan's 88 series 1.218 GHz taps have been designed with the future of the CATV industry in mind. All units come complete with a factory installed power passing bar for uninterrupted service when the faceplate is removed. Interchangeable faceplates allow for future network growth while minimizing costly 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 w/o Faceplate
- Easily Interchangeable 2/4 Port Faceplates
- Aerial or Pedestal Installation for Outdoor Use
- Compliant with SCTE Guidelines
- 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
DT88V-SR-CB-x-2xx	10 pcs	40 pcs	17 kg / 37 lbs	-04T, -08, -11, -14, -17, -20, -23, -26, -29, -32, -35
DT88V-SR-CB-x-4xx	10 pcs	40 pcs	18 kg / 40 lbs	-08T, -11, -14, -17, -20, -23, -26, -29, -32, -35
DT88V-SR-CB-x-8xx	10 pcs	40 pcs	21 kg / 45 lbs	-11T, -14, -17, -20, -23, -26, -29, -32, -35

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

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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	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) 4T	8	11	14	17	20	23	26	29	32 / 35
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	21	23	24	26	27	29	30	32	33 / 35

Return Loss (dB)

Frequency	(Min) 4T	8	11	14	17	20	23	26	29	32 / 35
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	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16

Hum Modulation (dB)

Frequency	(Min) 4T	8	11	14	17	20	23	26	29	32 / 35
5-10 MHz	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65
10-860 MHz	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70
860-1218 MHz	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65

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

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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
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	23	24	26	27	29	30	32	33	35

Return Loss (dB)

(Min)

Frequency		8T	11	14	17	20	23	26	29	32	35
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		≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16

Hum Modulation (dB)

(Min)

Frequency		8T	11	14	17	20	23	26	29	32	35
5-10 MHz		≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65
10-860 MHz		≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70
860-1218 MHz		≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65

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

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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	≥ 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	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16

Hum Modulation (dB)

Frequency	(Min)	11T	14	17	20	23	26	29	32	35
		5-10 MHz	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65
10-860 MHz	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70	≥ 70
860-1218 MHz	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65	≥ 65

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