

33 SERIES 1.8 GHz OUTDOOR TAPS [DT33W-SR-CB-x-x]

Cable Products, Mainline Passives

Description

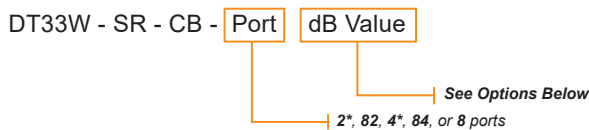
Taikan's 33 series 1.8 GHz taps have been designed with the future of the CATV industry in mind. All units come complete with a factory installed power passing bar for uninterrupted service when the faceplate is removed. Interchangeable faceplates allow for future network growth while minimizing costly equipment upgrades for cable providers. All taps are backed by Taikan's one year limited warranty. *

Features

- Supports Standard Spectrum DOCSIS (FDD) and Extended Spectrum DOCSIS 4.0
- 5-1800 MHz Bandwidth
- 15 A Current Capacity
- Aluminum Alloy Housing used for Corrosion Resistance
- Rubber 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 w/o Faceplate 15A, 60/90 VAC
- Easily Interchangeable 2/4 Port Faceplates
- Aerial or Pedestal Installation for Outdoor Use
- Compliant with SCTE Guidelines
- Printed Circuit Boards
- Auto Seize/ Screw less Installation
- Connector: 5/8" - 24 NEF Female for In/Out
- Surge Withstand: IEEE C62.41-1991 Category B3/6kV Combination Wave, 3000 A



Ordering Information



*284 Port Narrow Body Housing Coming Soon

Model Number	Inner Box	Standard Carton	Carton Weight	dB Values Available
DT33W-SR-CB-2xx*	10 pcs	50 pcs	18 kg / 40 lbs	-04T, -08, -11, -14, -17, -20, -23, -26, -29, -32, -35
DT33W-SR-CB-4xx*	10 pcs	50 pcs	19 kg / 42 lbs	-08T, -11, -14, -17, -20, -23, -26, -29, -32, -35
DT33W-SR-CB-8xx	10 pcs	40 pcs	23 kg / 51 lbs	-11T, -14, -17, -20, -23, -26, -29, -32, -35
DT33W-SR-CB-82xx	10 pcs	40 pcs	23 kg / 51 lbs	-04T, -08, -11, -14, -17, -20, -23, -26, -29, -32, -35
DT33W-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.taikan.com/Downloads/warranty.pdf> for our warranty service agreement

© Copyright 2020 Taikan Company Inc. All rights reserved. This document is for information only. Features and specifications are subject to change without notice. v9202022



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	2.6	4.0	5.3	8.0	5.7	5.5	5.5	5.5	5.5
10-65 MHz	T	3.6	1.8	1.4	1.2	1.0	0.9	0.9	0.9	0.9	0.9
65-300 MHz	T	4.0	2.0	1.5	1.2	1.1	1.0	1.0	1.0	1.0	1.0
300-550 MHz	T	4.2	2.4	1.8	1.5	1.3	1.3	1.3	1.3	1.3	1.3
550-750 MHz	T	4.5	2.6	1.8	1.6	1.3	1.3	1.5	1.5	1.5	1.5
750-862 MHz	T	4.8	2.9	2.1	1.8	1.5	1.5	1.5	1.5	1.5	1.5
862-1000 MHz	T	5.0	3.0	2.2	1.9	1.7	1.7	1.7	1.6	1.6	1.6
1000-1218 MHz	T	5.2	3.4	2.3	2.1	1.9	1.9	1.9	1.9	1.9	1.9
1218-1500 MHz	T	5.6	3.7	2.8	2.6	2.4	2.4	2.4	2.4	2.4	2.4
1500-1700 MHz	T	6.3	4.2	3.4	2.9	2.8	2.8	2.8	2.8	2.8	2.8
1700-1800 MHz	T	6.5	4.7	3.6	3.2	3.2	3.2	3.2	3.2	3.2	3.2

Tap Value (dB) Tolerance 5-10 MHz + 3.0 dB 10-850 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	35
5-65 MHz	4.0	8.0	11.0	14.0	17	20	23	26	29	32	35
65-860 MHz	4.0	8.0	11.0	14.0	17	20	23	26	29	32	35
860-1218 MHz	4.0	8.0	11.5	14.0	17	20	23	26	29	32	35
1218-1500 MHz	4.5	9.0	11.5	14.0	17	20	23	26	29	32	35
1500-1700 MHz	5.0	9.5	12.0	14.5	17	20	23	26	29	32	35
1700-1800 MHz	5.0	10.0	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
5-15 MHz	18	18	18	18	18	18	18	18	18	18	18
15-65 MHz	22	22	22	22	22	22	22	22	22	22	22
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	20	20	20	20	20	20	20	20	20	20	20
1700-1800 MHz	20	20	20	20	20	20	20	20	20	20	20

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	5-15 MHz		T	18	20	16	18	17	19	23	23	23	23
	15-65 MHz		T	27	29	30	31	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	21	21	23	25	25	25	25	25	25	25
	1500-1700 MHz		T	21	21	23	25	25	25	25	25	25	25
	1700-1800 MHz		T	21	21	23	25	25	25	25	25	25	25

Return Loss (dB)

		(Min)	4T	8	11	14	17	20	23	26	29	32	35
Frequency	5-10 MHz		≥ 8	≥ 8	≥ 8	≥ 8	≥ 8	≥ 8	≥ 8	≥ 8	≥ 8	≥ 8	≥ 8
	10-15 MHz		≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15
	15-47 MHz		≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17
	47-850 MHz		≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17
	850-1218 MHz		≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
	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		≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	

Hum Modulation (dB) 15 A

		(Min)	4T	8	11	14	17	20	23	26	29	32	35
Frequency	5-1200 MHz		≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60
	1200 - 1800 MHz		≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50

Customization available upon request

Insertion Loss (dB)

	8T	11	14	17	20	23	26	29	32	35
5-10 MHz	T	3.8	2.5	4.0	5.3	8.0	5.7	5.5	5.5	5.5
10-65 MHz	T	3.6	2.0	1.3	1.2	1.0	0.9	0.9	0.9	0.9
65-300 MHz	T	4.0	2.0	1.5	1.2	1.1	1.0	1.0	0.9	0.9
300-550 MHz	T	4.3	2.4	1.8	1.5	1.3	1.3	1.3	1.3	1.3
550-750 MHz	T	4.5	2.6	1.9	1.6	1.3	1.5	1.5	1.5	1.5
750-862 MHz	T	4.8	2.7	2.0	1.7	1.5	1.7	1.7	1.6	1.6
862-1000 MHz	T	5.0	3.0	2.1	2.0	1.7	1.8	1.8	1.7	1.7
1000-1218 MHz	T	5.3	3.4	2.3	2.2	1.9	2.0	2.0	1.9	1.9
1218-1500 MHz	T	5.6	3.7	2.8	2.7	2.4	2.5	2.5	2.5	2.5
1500-1700 MHz	T	6.3	4.2	3.4	3.0	2.8	2.8	2.8	2.8	2.8
1700-1800 MHz	T	6.5	4.7	3.6	3.3	3.2	3.2	3.2	3.2	3.2

Tap Value (dB) Tolerance 5-10 ± 3.0 dB 10-850 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	8.0	11.0	14.0	17.0	20	23	26	29	32	35
65-860 MHz	8.0	11.0	14.0	17.0	20	23	26	29	32	35
860-1218 MHz	8.0	11.0	14.5	17.0	20	23	26	29	32	35
1218-1500 MHz	8.5	12.0	14.5	17.0	20	23	26	29	32	35
1500-1700 MHz	9.0	12.5	15.0	17.5	20	23	26	29	32	35
1700-1800 MHz	9.0	13.0	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	22	22	22	22	22	22	22	22	22	22
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	20	20	20	20	20	20	20	20	20	20
1700-1800 MHz	20	20	20	20	20	20	20	20	20	20

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	5-15 MHz		T	18	20	16	18	17	19	23	23	23
	15-65 MHz		T	22	22	26	29	32	36	38	39	41
	65-860 MHz		T	27	28	29	31	32	34	36	37	39
	860-1218 MHz		T	25	26	28	29	31	32	34	35	37
	1218-1500 MHz		T	23	23	23	25	25	25	25	25	25
	1500-1700 MHz		T	23	23	23	25	25	25	25	25	25
	1700-1800 MHz		T	23	23	23	25	25	25	25	25	25

Return Loss (dB)

		(Min)	8T	11	14	17	20	23	26	29	32	35
Frequency	5- 10 MHz		≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10
	10-15 MHz		≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15
	15-47 MHz		≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17
	47-850 MHz		≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17
	850-1218 MHz		≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16
	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		≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	

Hum Modulation (dB) @15 A

		(Min)	8T	11	14	17	20	23	26	29	32	35
Frequency	5-1200 MHz		≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60
	1200-1800 MHz		≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50

Customization available upon request

Insertion Loss (dB)

	11T	14	17	20	23	26	29	32	35
5-10 MHz	T	3.8	2.6	4.0	5.3	8.0	5.7	5.5	5.5
10-65 MHz	T	3.6	2.0	1.5	1.2	1.0	0.9	0.9	0.9
65-300 MHz	T	3.8	2.0	1.6	1.2	1.1	1.0	0.9	0.9
300-550 MHz	T	4.3	2.4	1.9	1.6	1.3	1.3	1.3	1.3
550-750 MHz	T	4.5	2.6	2.1	1.6	1.5	1.6	1.5	1.5
750-862 MHz	T	4.8	2.9	2.3	1.9	1.7	1.8	1.7	1.7
862-1000 MHz	T	5.0	3.0	2.5	2.0	1.8	1.8	1.8	1.8
1000-1218 MHz	T	5.2	3.4	2.6	2.2	2.0	2.0	2.0	2.0
1218-1500 MHz	T	5.6	3.7	3.0	2.5	2.3	2.3	2.3	2.3
1500-1700 MHz	T	6.3	4.2	3.3	3.0	2.8	2.8	2.8	2.8
1700-1800 MHz	T	6.5	4.7	3.6	3.3	3.2	3.2	3.2	3.2

Tap Value (dB) Tolerance 5-10 Mhz ±3.0 dB 10-850 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
5-15 MHz	18	18	18	18	18	18	18	18	18	18
15-65 MHz	22	22	22	22	22	22	22	22	22	22
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	20	20	20	20	20	20	20	20	20	20
1700-1800 MHz	20	20	20	20	20	20	20	20	20	20

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	5-15 MHz	T	18	20	16	18	17	19	23	35
	15-65 MHz	T	22	22	26	30	33	36	39	41
	65-860 MHz	T	28	28	31	33	34	36	37	39
	860-1218 MHz	T	26	26	28	29	32	34	35	37
	1218-1500 MHz	T	23	23	25	25	25	25	25	25
	1500-1700 MHz	T	23	23	25	25	25	25	25	25
	1700-1800 MHz	T	23	23	25	25	25	25	25	25

Return Loss (dB)

		(Min)								
		11T	14	17	20	23	26	29	32	35
Frequency	5-10 MHz	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10
	10-15 MHz	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15	≥ 15
	15-47 MHz	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17	≥ 17
	47-850 MHz	≥ 17	≥ 17	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 16	≥ 17
	850-1218 MHz	≥ 16	≥ 16	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14
	1218-1500 MHz	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14
	1500-1700 MHz	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14
	1700-1800 MHz	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14

Hum Modulation (dB) @ 15 A

		(Min)								
		11T	14	17	20	23	26	29	32	35
Frequency	5-1800 MHz	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60
	1200-1800 MHz	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50