

33 SERIES 1.0 GHz OUTDOOR TAPS [DT33G-SR-CB-x-x-x]

Cable Products, Mainline Passives

TaiTin

Description

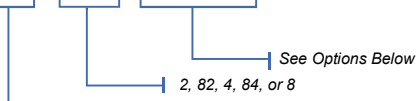
TaiTin's 33 series taps have been designed with the future of the CATV industry in mind. All units come complete with a factory installed power passing bar for uninterrupted service when the faceplate is removed. Interchangeable faceplates allow for future network growth while minimizing costly equipment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

Features

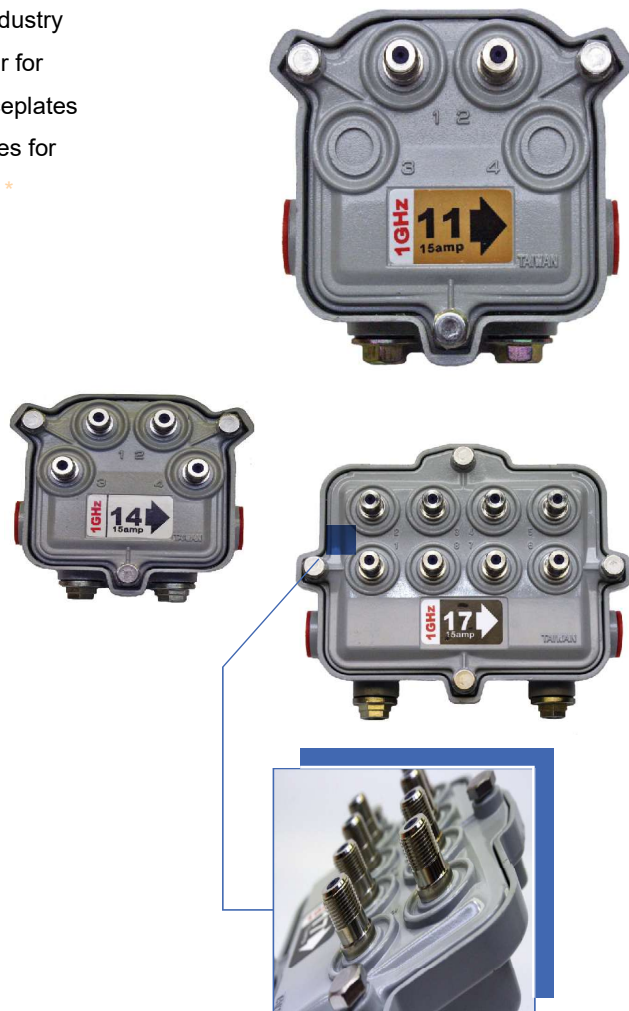
- 5-1002 MHz Bandwidth (1.2 GHz option also available)
- 12 A Current Capacity
- Aluminum Alloy Housing used for Corrosion Resistance
- Neoprene Weather Gasket and RFI Shielding at 120 dB
- Blocking Capacitors on the "F" ports for Extended Surge Resistance
- Epoxy Sealed and Nickel Plated Brass "F" Ports
- 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
- PIM 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

DT33G - SR - CB - PIM - Port - dB Value



PIM (Plug in Module Option/Conditioning Tap) *Not Standard / Not Available in the US



Model Number	Inner Box	Standard Carton	Carton Weight	dB Values Available
DT33G-SR-CB-x-x-2xx	10 pcs	50 pcs	18 kg / 39 lbs	-04T, -08, -11, -14, -17, -20, -23, -26, -29, -32
DT33G-SR-CB-x-x-4xx	10 pcs	50 pcs	19 kg / 41 lbs	-08T, -11, -14, -17, -20, -23, -26, -29, -32, -35
DT33G-SR-CB-x-x-8xx	10 pcs	40 pcs	23 kg / 50 lbs	-11T, -14, -17, -20, -23, -26, -29, -32, -35
DT33G-SR-CB-x-82xx	10 pcs	40 pcs	23 kg / 50 lbs	-04T, -08, -11, -14, -17, -20, -23, -26, -29, -32
DT33G-SR-CB-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.taitin.com.tw/Specifications/warranty.pdf> for our warranty service agreement

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2 Port Specifications - 1.0 GHz

Customization available upon request

Insertion Loss (dB)

Frequency	4T	8		11		14		17		20		23		26		29		32	
		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
43-400 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
401-750 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
751-1002 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
5-600 MHz	4	8	11	14	17	20	23	26	29	32
601-800 MHz	4	8	11	14	17	20	23	26	29	32
801-1002 MHz	4	8	11	14	17	20	23	26	29	32

Tap to Tap Isolation (dB)

Frequency	4T	8	11	14	17	20	23	26	29	32
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)

Frequency	4T	8	11	14	17	20	23	26	29	32
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)

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

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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
43-400 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
401-750 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
751-1002 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
601-800 MHz	8	11	14	17	20	23	26	29	32	35
801-1002 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
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)

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

Frequency	8T	11	14	17	20	23	26	29	32	35
5-15 MHz	16	16	16	16	16	16	16	16	16	16
16-42 MHz	18	18	18	18	18	18	18	18	18	18
43-400 MHz	18	18	18	18	18	18	18	18	18	18
401-1002 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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8 Port Specifications - 1.0 GHz

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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
5-42 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
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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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