

# 33 SERIES OUTDOOR TAPS

## DT-33G-SR-CB-xxx

CABLE PRODUCTS, MAINLINE PASSIVES

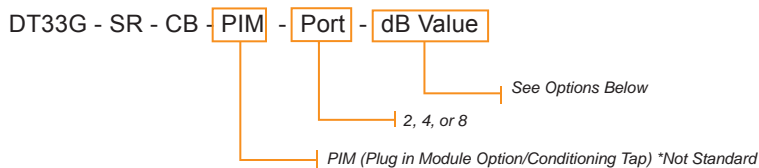
### Description

Taikan'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 Taikan's one year limited warranty. \*

### Features

- 5-1002 MHz Bandwidth
- 15 A Current Capacity
- Aluminum Alloy Housing used for Corrosion Resistance
- Weather Rubber Gasket and RFI Shielding Gasket (-120 dB)
- Blocking Capacitors on the "F" ports for Extended Surge Resistance
- 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
- 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:  $\pm 0.5$ , Flatness In/Tap:  $\mp 0.5$
- Connector: 5/8" - 24 NEF Female for In/Out
- Surge Withstand: IEEE C62.41-1991 Category B3/6kV Combination Wave, 3000 A

### Ordering Information



# Taikan



Model Number	Inner Box	Standard Carton	Carton Weight	dB Values Available
DT33G-SR-CB-x-2xx	10 pcs	50 pcs	18 kg / 40 lbs	-04T, -08, -11, -14, -17, -20, -23, -26, -29, -32
DT33G-SR-CB-x-4xx	10 pcs	50 pcs	19 kg / 42 lbs	-08T, -11, -14, -17, -20, -23, -26, -29, -32, -35
DT33G-SR-CB-x-8xx	10 pcs	40 pcs	23 kg / 51 lbs	-11T, -14, -17, -20, -23, -26, -29, -32, -35

## 2 Port Specifications

Customization available upon request

**Insertion Loss (dB) Tolerance:  $\pm 0.25$**

	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) Tolerance:  $\pm 1.0$**

	4T	8	11	14	17	20	23	26	29	32
Frequency 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) Tolerance: - 1.5**

	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) Tolerance: - 1.5**

	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) Tolerance: - 1.5**

	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 A (dB)**

5–1002 MHz	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60
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**General Specifications: Power Passing 15 A, 60/90 VAC**

## 4 Port Specifications

Customization available upon request

**Insertion Loss (dB) Tolerance:  $\pm 0.25$**

		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) Tolerance:  $\pm 1.0$**

		8T	11	14	17	20	23	26	29	32	35
Frequency	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) Tolerance: - 1.5**

		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) Tolerance: - 1.5**

		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) Tolerance: - 1.5**

		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 A (dB)**

5–1002 MHz	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60
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**General Specifications: Power Passing 15 A, 60/90 VAC**

## 8 Port Specifications

Customization available upon request

Insertion Loss (dB) Tolerance:  $\pm 0.25$

		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) Tolerance:  $\pm 1.0$

		11T	14	17	20	23	26	29	32	35
Frequency	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) Tolerance: - 1.5

		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) Tolerance: - 1.5

		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) Tolerance: - 1.5

		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	-60
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General Specifications: Power Passing 15 A, 60/90 VAC