

# 33 SERIES 1.0GHz REVERSE WINDOW TAP [DT33G-SR-CB-PIM-x/23] **TaiTin**

Cable Products, Mainline Passives

## Description

TaiTin's 33 series taps have been designed with the future of the CATV industry in mind. The reverse window option allows for the more efficient use of high value taps by having a greater loss at higher frequencies and a lower loss in the lower frequencies. This feature is available in 3 tap values: 26, 29, and 32 dB. 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 a one year limited warranty.\*



## Features

- 5-1002 MHz Bandwidth
- 15 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
- Flatness In/Out:  $\pm 0.5$ , Flatness In/Tap:  $\pm 0.5$
- Connector: 5/8" - 24 NEF Female for In/Out
- Surge Withstand: IEEE C62.41-1991 Category B3/6kV Combination

## Ordering Information

DT33G - SR - CB - PIM - x / 23

x: 2, 4, or 8 Port & dB Value  
(226 for 2-Port Tap with 26 dB Value)

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

\* Please refer to <http://www.taitin.com.tw/Specifications/warranty.pdf> for our warranty service agreement

## Specifications

### Insertion Loss (dB)

Tolerance:  $\pm 0.25$

Frequency	2-Port (dB)			4-Port (dB)			8-Port (dB)		
	26	29	32	26	29	32	26	29	32
5-42 MHz	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7
43-400 MHz	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.0	1.0
401-750 MHz	1.1	1.1	1.1	1.1	1.1	1.7	1.6	1.6	1.6
751-1002 MHz	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.0	2.0

### Tap Value (dB)

Tolerance:  $\pm 1.0$

Frequency	2-Port (dB)			4-Port (dB)			8-Port (dB)		
	26	29	32	26	29	32	26	29	32
5-42 MHz	22.7	22.7	22.8	23.1	23.2	23.3	22.5	22.6	22.8
43-400 MHz	23.6	24.3	25.4	24.5	25.4	26.0	23.9	24.8	25.9
401-750 MHz	24.5	26.4	28.5	25.9	27.9	29.3	25.0	27.1	29.3
751-1002 MHz	25.7	28.8	31.0	26.3	28.8	30.7	26.6	28.5	31.1

### Tap to Tap Isolation (dB)

Frequency	2-Port (dB)			4-Port (dB)			8-Port (dB)		
	26	29	32	26	29	32	26	29	32
5-42 MHz	22	22	22	22	22	22	22	22	22
43-400 MHz	25	25	25	25	25	25	25	25	25
401-750 MHz	25	25	25	25	25	25	25	25	25
751-1002 MHz	22	22	22	22	22	22	22	22	22

### Output to Tap Isolation (dB)

Frequency	2-Port (dB)			4-Port (dB)			8-Port (dB)		
	26	29	32	26	29	32	26	29	32
5-42 MHz	33	33	33	33	33	33	32	32	32
43-400 MHz	33	33	33	33	33	33	30	30	30
401-750 MHz	33	33	33	33	33	33	30	30	30
751-1002 MHz	30	30	30	30	30	30	28	28	28

### Input/Output/Tap Return Loss (dB)

Frequency	2-Port (dB)			4-Port (dB)			8-Port (dB)		
	26	29	32	26	29	32	26	29	32
5-42 MHz	18	18	18	18	18	18	18	18	18
43-400 MHz	18	18	18	18	18	18	18	18	18
401-750 MHz	18	18	18	18	18	18	18	18	18
751-1002 MHz	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
------------	-----	-----	-----	-----	-----	-----	-----	-----	-----

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

\*Note: Testing condition : Optical Link Loss: 10 km Input Optical Level: -1 dBm, RF Input 59PaL-D/INTSC/80CH

© Copyright 2012 TaiTin Enterprise Co., Ltd.. All rights reserved. This document is for information only. Features and specifications are subject to change without notice. v070915