

33 SERIES 1.218 GHz INLINE REVERSE WINDOW TAP

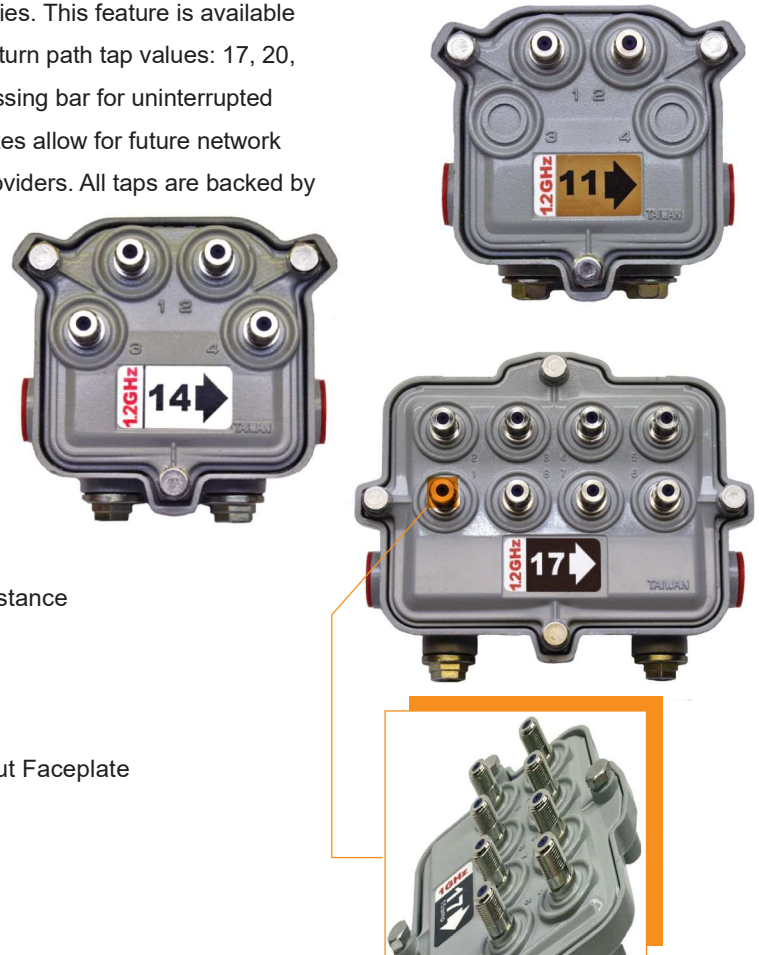
[DT33V-SR-CB-IL-xxx/xx-CS-xx] Cable Products, Mainline Passives

Description

Taikan'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 three forward path tap values: 26, 29, and 32 dB, and three return path tap values: 17, 20, 23 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

- Supports DOCSIS 3.1 Expanded Bandwidth up to 1218 MHz
- 5-1218 MHz Bandwidth
- 12 A Current Capacity
- Inline Reverse Window Design
- 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 without Faceplate
- Easily Interchangeable 2/4 Port Faceplates
- Aerial or Pedestal Installation for Outdoor Use
- Compliant with SCTE Guidelines
- Printed Circuit Boards
- Connector: 5/8" - 24 NEF Female for In/Out
- Surge Withstand: IEEE C62.41-1991 Category B3/6kV Combination Wave, 3000 A



Ordering Information

DT33V - SR - CB - IL - x xx / xx - CS - xx

Refer to Forward Path dB and Return Path dB Values in Specifications Table for Corresponding CS Number

17, 20, or 23 for Return Path dB Value

26, 29, or 32 for Forward Path dB Value

2, 4, or 8 Port

Model Number	Inner Box	Standard Carton	Carton Weight	Forward Path dB Values Available	Return Path dB Values Available
DT33V-SR-CB-IL-2xx/xx-CS-xx	10 pcs	50 pcs	18 kg / 40 lbs	26, 29, 32	17, 20, 23
DT33V-SR-CB-IL-4xx/xx-CS-xx	10 pcs	50 pcs	19 kg / 42 lbs	26, 29, 32	17, 20, 23
DT33V-SR-CB-IL-8xx/xx-CS-xx	10 pcs	40 pcs	23 kg / 51 lbs	26, 29, 32	17, 20, 23
DT33V-SR-CB-IL-82xx/xx-CS-xx	10 pcs	40 pcs	23 kg / 51 lbs	26, 29, 32	17, 20, 23
DT33V-SR-CB-IL-84xx/xx-CS-xx	10 pcs	40 pcs	23 kg / 51 lbs	26, 29, 32	17, 20, 23

Specifications

		2-Port (dB)			4-Port (dB)			8-Port (dB)		
		26/17 (CS-9)	29/17 (CS-12)	32/17 (CS-15)	26/17 (CS-9)	29/17 (CS-12)	32/17 (CS-15)	26/17 (CS-9)	29/17 (CS-12)	32/17 (CS-15)
Frequency	5-42 MHz	1.3	1.3	1.3	1.5	1.5	1.5	2.2	2.2	2.2
	42-400 MHz	1.6	1.6	1.6	1.9	1.9	1.9	2.2	2.2	2.2
	400-750 MHz	1.8	1.8	1.8	2.1	2.1	2.1	2.7	2.7	2.7
	750-1002 MHz	2.1	2.1	2.1	2.4	2.4	2.4	3.1	3.1	3.1
	1002-1218 MHz	2.3	2.3	2.3	2.6	2.6	2.6	3.3	3.3	3.3
Insertion Loss (17 dB Return Path)		2-Port (dB)			4-Port (dB)			8-Port (dB)		
		26/20 (CS-6)	29/20 (CS-9)	32/20 (CS-12)	26/20 (CS-6)	29/20 (CS-9)	32/20 (CS-12)	26/20 (CS-6)	29/20 (CS-9)	32/20 (CS-12)
Frequency	5-42 MHz	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.3
	42-400 MHz	1.3	1.3	1.3	1.5	1.5	1.5	1.8	1.8	1.8
	400-750 MHz	1.5	1.5	1.5	1.8	1.8	1.8	2.1	2.1	2.1
	750-1002 MHz	1.9	1.9	1.9	2.1	2.1	2.1	2.4	2.4	2.4
	1002-1218 MHz	2.1	2.1	2.1	2.3	2.3	2.3	2.6	2.6	2.6
Insertion Loss (20 dB Return Path)		2-Port (dB)			4-Port (dB)			8-Port (dB)		
		26/23 (CS-3)	29/23 (CS-6)	32/23 (CS-9)	26/23 (CS-3)	29/23 (CS-6)	32/23 (CS-9)	26/23 (CS-3)	29/23 (CS-6)	32/23 (CS-9)
Frequency	5-42 MHz	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	42-400 MHz	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	400-750 MHz	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	750-1002 MHz	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0
	1002-1218 MHz	2.1	2.1	2.1	2.1	2.1	2.1	2.5	2.5	2.5
Tap Value (17 dB Return Path)		2-Port (dB)			4-Port (dB)			8-Port (dB)		
		26/17 (CS-9)	29/17 (CS-12)	32/17 (CS-15)	26/17 (CS-9)	29/17 (CS-12)	32/17 (CS-15)	26/17 (CS-9)	29/17 (CS-12)	32/17 (CS-15)
Tolerance: ± 1.5										
Frequency	5-42 MHz	16.7	16.7	16.8	17.1	17.2	17.3	16.5	16.6	16.8
	42-400 MHz	19.9	20.9	22.2	20.5	21.5	22.5	20.1	21.1	22.2
	400-750 MHz	22.4	24.2	26.1	22.8	24.6	26.3	22.5	24.3	26.1
	750-1002 MHz	24.4	26.8	29.3	24.5	27.0	29.4	24.4	26.8	29.3
	1002-1218 MHz	26.0	29.0	32.0	26.0	29.0	32.0	26.0	29.0	32.0
Tap Value (20 dB Return Path)		2-Port (dB)			4-Port (dB)			8-Port (dB)		
		26/20 (CS-6)	29/20 (CS-9)	32/20 (CS-12)	26/20 (CS-6)	29/20 (CS-9)	32/20 (CS-12)	26/20 (CS-6)	29/20 (CS-9)	32/20 (CS-12)
Tolerance: ± 1.5										
Frequency	5-42 MHz	19.7	19.7	19.8	20.1	20.3	20.3	19.5	19.6	19.8
	42-400 MHz	22.2	23.3	24.3	22.5	23.6	24.7	22.1	23.2	24.3
	400-750 MHz	23.8	25.7	27.5	24.0	25.9	27.7	23.7	25.6	27.5
	750-1002 MHz	25.1	27.5	29.9	25.1	27.6	30.0	25.0	27.5	29.9
	1002-1218 MHz	26.0	29.0	32.0	26.0	29.0	32.0	26.0	29.0	32.0

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

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Specifications

Tap Value (23 dB Return Path) Tolerance: ± 1.5	2-Port (dB)			4-Port (dB)			8-Port (dB)		
	26/23 (CS-3)	29/23 (CS-6)	32/23 (CS-9)	26/23 (CS-3)	29/23 (CS-6)	32/23 (CS-9)	26/23 (CS-3)	29/23 (CS-6)	32/23 (CS-9)
5–42 MHz	22.7	22.7	22.8	23.1	23.2	23.3	22.5	22.6	22.8
42–400 MHz	24.1	25.2	26.4	24.3	25.5	26.7	23.9	25.2	26.4
400–750 MHz	24.9	26.8	28.7	25.0	27.0	28.9	24.8	26.8	28.7
750–1002 MHz	25.5	28.0	30.5	25.6	28.1	30.6	25.5	28.0	30.5
1002–1218 MHz	26.0	29.0	32.0	26.0	29.0	32.0	26.0	29.0	32.0
Tap to Tap Isolation (dB)	26/xx	29/xx	32/xx	26/xx	29/xx	32/xx	26/17	29/xx	32/xx
5–42 MHz	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
42–400 MHz	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
400–750 MHz	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
750–1002 MHz	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
1002–1218 MHz	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
Output to Tap Isolation (dB)	26/xx	29/xx	32/xx	26/xx	29/xx	32/xx	26/xx	29/xx	32/xx
5–42 MHz	28.0	28.0	28.0	28.0	28.0	28.0	26.0	26.0	26.0
42–400 MHz	33.0	33.0	33.0	33.0	33.0	33.0	32.0	32.0	32.0
400–750 MHz	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
750–1002 MHz	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
1002–1218 MHz	27.0	27.0	27.0	27.0	27.0	27.0	28.0	28.0	28.0
Input/Output/Tap Return Loss (dB)	26/xx	29/xx	32/xx	26/xx	29/xx	32/xx	26/xx	29/xx	32/xx
5–42 MHz	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
42–400 MHz	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
400–750 MHz	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
750–1002 MHz	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
1002–1218 MHz	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0

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