

TGT12 Series DOCSIS 3.1 Compatible 1.2 GHz Digital 12 Port Taps

TGT12-*D31



Features

- Tongue & Groove Housing
- DOCSIS 3.1 Compatible
- 5 MHz to 1.2 GHz Bandwidth
- 5-85 MHz Upstream
- 105-1220 MHz Downstream
- Minimum 110 dB RFI Shielding
- Low Intermod Distortions < 100 dB
- Nickel Plated Zinc Alloy Housing
- 15 PSI Waterproofed F Ports
- 200 G Center Conductor Retention
- 75 Ohm Impedance
- Machined F Connectors On 1" Spacing
- Blocking Capacitor On All Ports
- Integral Ground Block
- 6 kV Ring Wave Surge Protection



This new series of from Toner are designed to work in digital systems deploying DOCSIS 3.1 that utilizes the 5-85 MHz spectrum for upstream, and the 105 to 1220 MHz spectrum for downstream. By using the latest in ferrite core and winding technology along with premium PC boards and components we have been able to increase bandwidth without any sacrifice in performance.

These feature a diecast zinc alloy housing with a nickel plating for superior corrosion resistance. Each F port is machined with 3/8-32 UNEF threads to meet SCTE and ANSI specifications and incorporates a patented seal that is waterproof to 15 PSI. The seizure mechanism for the center conductor is also patented and contacts the center conductor on 4 sides and provides more than 200g of retention force which ensures correct electrical contact. The F ports are on 1" spacing which meets SCTE & ANSI specifications.

All of these feature DC blocking capacitors on all ports for power isolation protection and for induced spikes protection. These feature superior performance, low intermodulation distortions and meet or exceed all current industry standards.

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Specifications

TGT12-	17 dB	20 dB	23 dB	26 dB	29 dB
Insertion Loss					
5-15 MHz	3.5	2.2	1.4	1	0.7
15-85 MHz	3.5	2.2	1.4	1	0.7
85-300 MHz	3.5	2.3	1.7	1.3	0.9
300-1002 MHz	3.9	2.6	2.3	1.6	1.5
1002-1218 MHz	4.3	3.3	2.8	1.2	1.8
Tap Loss					
5-15 MHz	17.5±2.0	20±2.0	23±2.0	26.5±2.0	29±2.0
15-85 MHz	17.5±2.0	20±2.0	23±2.0	26.5±2.0	29±2.0
85-300 MHz	17.5±2.0	20±2.0	23±2.0	26.5±2.0	29±2.0
300-1002 MHz	17.5±2.0	20±2.0	23±2.0	26.5±2.0	29±2.0
1002-1218 MHz	17.5±2.0	20±2.0	23±2.0	26.5±2.0	29±2.0
Directivity					
5-15 MHz	40	40	40	40	40
15-85 MHz	40	40	40	40	40
85-300 MHz	30	30	35	35	35
300-1002 MHz	28	28	30	28	30
1002-1218 MHz	28	28	30	28	30
Isolation					
5-15 MHz	27	27	27	27	27
15-85 MHz	30	30	30	30	30
85-300 MHz	27	27	27	27	27
300-1002 MHz	27	27	27	27	27
1002-1218 MHz	24	24	24	24	24
Return Loss					
5-15 MHz	20	20	20	20	20
15-85 MHz	20	20	20	20	20
85-300 MHz	20	20	20	20	20
300-1002 MHz	18	18	18	18	18
1002-1218 MHz	17	17	17	17	17
Tap					
5-15 MHz	20	20	20	20	20
15-85 MHz	20	20	20	20	20
85-300 MHz	20	20	20	20	20
300-1002 MHz	18	18	18	18	18
1002-1218 MHz	17	17	17	17	17