

Toner

XG Series

DOCSIS 3.1 Compatible 1.2 GHz Digital Splitters

2, 3, 4, UbX'8 Way 1" & GHz Drop Splitters

Features:

- Solder Back
- DOCSIS 3.1 Compatible
- 5 MHz to 1.2 GHz Bandwidth
- 5-85 MHz Upstream
- 105-1220 MHz Downstream
- Minimum 120 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 drop splitters 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 splitters 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 splitters feature DC blocking capacitors on all ports for power isolation protection and for induced spikes protection. These splitters feature superior performance, low intermediation distortions and meet or exceed all current industry standards.

DOCSIS 3.1 Compatible 1.2 GHz Digital Splitters

	XGHS-2D31 2-Way	XGHS-3BD 1 3-Way Balanced	XGHS-4D31 4-Way	XGVS-8D31 8-Way
Insertion Loss				
5-85 MHz	3.3	5.2	6.5	10.5
85-550 MHz	3.5	5.8	6.8	11.0
550-1002 MHz	3.7	6.5	7.7	11.8
1002-1200 MHz	4.0	6.7	7.9	12.2
Isolation				
5-15 MHz	35	35	35	35
15-85 MHz	38	38	38	35
85-300 MHz	35	35	35	35
300-1002 MHz	30	30	30	28
1002-1200 MHz	27	27	27	26
Return Loss				
Input				
5-85 MHz	25	25	24	22
85-1002 MHz	20	20	20	20
1002-1200 MHz	20	20	20	20
Return Loss				
Output				
5-85 MHz	25	25	25	25
85-1002 MHz	22	22	22	22
1002-1200 MHz	20	20	20	20
Intermod Distortion	-60 dBmV			
RFI	-120 dB			

Ordering Information

- XGHS-2D31** 2 Way 1.2 GHz Horizontal Splitter
- XGHS-3BD31** 3 Way 1.2 GHz Horizontal Splitter
- XGHS-4D31** 4 Way 1.2 GHz Horizontal Splitter
- XGVS-8D31** 8 Way 1.2 GHz Vertical Splitter