



# TSB-G Series

## 1GHz 130dB EMI Digital CATV Splitters



TSB-31G



TSB-41G



TSB-21G



TSB-81G

### Features

- Digital-ready broadband 5~1000MHz frequency range
- Solder-back cover-plate provides maximum EMI-RFI shielding >-130dB, eliminating signal ingress to guarantee distortion-free pictures
- High-performance printed board circuitry provides low intermodulation distortion >-100dB to ensure excellent digital performance
- High isolation >-40dB at 5~45MHz sub-bands provides for high level upstream signals
- TSB-G series features capacitor coupling circuitry at all ports for effective DC voltage blocking. TSB-GDC series provide DC power passage to one port while blocking DC power to all other ports, providing for remote powering applications and powering the antenna preamplifier directly from the headend
- 1-inch centered 1/2" long precision machined F-connector threads ensure improved port-to-connector interface and accommodate external security devices
- High retention seizing pins provide improved connectivity to connector center lead

### Specifications

MHz	TSB-21G /GDC Insertion Loss (max dB)	TSB-31G/GDC Insertion Loss (max dB)	TSB-41G / GDC Insertion Loss (max dB)	Isolation (min dB)	Input/Output Return Loss (min dB)	RFI
5-42	3.4	3.4/7.2	7.2	30	20	>-130 dB
42-860	3.9	4.0/7.5	7.8	28	22	>-130 dB
860-1000	4.0	4.0/7.8	7.8	28	20	>-130 dB

### Ordering Information

<b>TSB-21G</b>	2-Port Splitter 1GHz Soldered Back	<b>TSB-21GDC</b>	2-Port Splitter 1GHz DC-Passing 1-Port Soldered Back
<b>TSB-31G</b>	3-Port Splitter 1GHz Soldered Back	<b>TSB-31GDC</b>	3-Port Splitter 1GHz DC-Passing 1-Port Soldered Back
<b>TSB-31G/B</b>	3-Port Splitter Balanced 1GHz Soldered Back	<b>TSB-41GDC</b>	4-Port Splitter 1GHz DC-Passing 1-Port Soldered Back
<b>TSB-41G</b>	4-Port Splitter 1GHz Soldered Back		
<b>TSB-81G</b>	8-Port Splitter 1GHz Soldered Back		