

DIGITAL SPLITTERS 1.2GHZ

The bdn splitters are designed to comply with the highest current standards of the SCTE (Society of Cable Telecommunications Engineers). They support bidirectional digital data and multimedia communications over Docsis 3.1 QPSK and QAM protocol, in addition to integrating 6kv surge protection.

TECH SPECIFICATION

| Item | 2 way splitter | 3 way splitter | 3 way splitter | 4 way splitter | 6 way splitter | 8 way splitter |
|-------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Insertion Loss | -dB (Max) | | | | | |
| 5-47MHz | 3.5 | 3.5/6.9 | 5.8 | 6.9 | 9.3 | 10.3 |
| 48-450MHz | 3.9 | 3.9/7.3 | 6.2 | 7.3 | 9.6 | 11.0 |
| 451-750MHz | 3.9 | 3.9/7.5 | 6.5 | 7.5 | 9.9 | 11.5 |
| 751-1000MHz | 4.0 | 4.0/8.0 | 7.0 | 8.0 | 11.0 | 12.5 |
| 1000-1218MHz | 4.5 | 4.3/8.5 | 7.5 | 8.6 | 11.6 | 13 |
| Isolation Loss | -dB (Min) | | | | | |
| 5-47MHz | 22 | 25 | 25 | 25 | 23 | 25 |
| 48-450MHz | 26 | 24 | 25 | 24 | 24 | 24 |
| 451-750MHz | 23 | 23 | 24 | 23 | 23 | 23 |
| 751-1000MHz | 22 | 22 | 22 | 22 | 22 | 22 |
| 1000-1218MHz | 22 | 22 | 22 | 22 | 22 | 22 |
| Return Loss (IN/OUT) | -dB (Min) | | | | | |
| 5-47MHz | 20 | 18 | 18 | 18 | 18 | 18 |
| 48-450MHz | 20 | 20 | 20 | 20 | 20 | 20 |
| 451-750MHz | 20 | 20 | 20 | 20 | 20 | 20 |
| 751-1000MHz | 18 | 18 | 18 | 18 | 18 | 18 |
| 1000-1218MHz | 18 | 18 | 18 | 18 | 18 | 18 |
| General Information | | | | | | |
| Impedance | 75 Ohms | | | | | |
| RFI Shielding | -120 dB | | | | | |
| Intermodulation | -100 dB | | | | | |
| Test Enviroment: Room Temperature: +25°C | | | | | | |