

## XGHSM & XGVSM Series

### MoCA Digital Horizontal & Vertical Splitters

#### MoCa Splitters That Meet The Requirments Of MoCA

#### (Multimedia Over Coax Alliance) Home Networking Applications

The Toner XGHSM-\* series splitters (horizontal ports) and XGVSM-\* series splitters (vertical ports) are designed to meet the requirements of MoCA for home networking of devices utilizing the existing coaxial cable infrastructure.



Several models are available to meet any installation requirements.

**Features:**

- Meets MoCA 2.0 requirements
- Low isolation at MoCA 1125-1675 MHz
- -130 dB RFI solder back shielding
- Patented center conductor seizure to ensure proper contact
- Meets SCTE specifications
- 6 kV ring wave surge protection
- 1 kV blocking capacitors
- Low intermod distortions
- Flat F ports



| Specification            |               | XGHSM-2  | XGHSM-3            | XGHSM-3B | XGHSM-4   | XGVSM-8   |
|--------------------------|---------------|----------|--------------------|----------|-----------|-----------|
| Insertion Loss           | 5-400 MHz     | ≤ 3.7 dB | ≤ 3.7 dB / 7.5 dB  | ≤ 5.6 dB | ≤ 7.5 dB  | ≤ 10.7 dB |
|                          | 400-600 MHz   | ≤ 4.7 dB | ≤ 4.7 dB / 8.5 dB  | ≤ 7.0 dB | ≤ 8.5 dB  | ≤ 10.7 dB |
|                          | 600-1002 MHz  | ≤ 6.7 dB | ≤ 6.7 dB / 11.5 dB | ≤ 7.0 dB | ≤ 11.5 dB | ≤ 10.7 dB |
|                          | 1125-1675 MHz | ≤ 6.7 dB | ≤ 6.7 dB / 11.5 dB | ≤ 9.7 dB | ≤ 11.5 dB | ≤ 18.2 dB |
| Frequency Response       | 5-1002 MHz    | ± 0.4 dB | ± 0.4 dB           | ± 0.4 dB | ± 0.4 dB  | ± 0.4 dB  |
|                          | 1002-1675 MHz | ± 1.4 dB | ± 1.4 dB           | ± 1.4 dB | ± 1.4 dB  | ± 1.4 dB  |
| Isolation (Port to Port) | 5-10 MHz      | ≥ 25 dB  | ≥ 25 dB            | ≥ 25 dB  | ≥ 25 dB   | ≥ 25 dB   |
|                          | 10-65 MHz     | ≥ 35 dB  | ≥ 35 dB            | ≥ 35 dB  | ≥ 35 dB   | ≥ 35 dB   |
|                          | 65-870 MHz    | ≥ 25 dB  | ≥ 25 dB            | ≥ 25 dB  | ≥ 25 dB   | ≥ 25 dB   |
|                          | 870-1002 MHz  | ≥ 20 dB  | ≥ 20 dB            | ≥ 20 dB  | ≥ 20 dB   | ≥ 20 dB   |
|                          | 1125-1675 MHz | ≥ 28 dB  | ≥ 28 dB            | ≥ 28 dB  | ≥ 30 dB   | ≥ 30 dB   |
| Return Loss              | 5-10 MHz      | ≥ 18 dB  | ≥ 18 dB            | ≥ 18 dB  | ≥ 18 dB   | ≥ 18 dB   |
|                          | 10-65 MHz     | ≥ 18 dB  | ≥ 18 dB            | ≥ 18 dB  | ≥ 18 dB   | ≥ 18 dB   |
|                          | 65-870 MHz    | ≥ 18 dB  | ≥ 18 dB            | ≥ 18 dB  | ≥ 18 dB   | ≥ 18 dB   |
|                          | 870-1002 MHz  | ≥ 15 dB  | ≥ 15 dB            | ≥ 15 dB  | ≥ 15 dB   | ≥ 15 dB   |
|                          | 1125-1675 MHz | N/A      | N/A                | N/A      | N/A       | N/A       |