

BYPASS DROP AMPS - ACTIVE [AMP-2-12/7-BP-x]

Cable Products, Drop Amplifiers

TaiTin

Features

- Ideal for Systems that Offer Telephony Service
- 54/70/85/105 - 1002 MHz Forward (Downstream) Path Options
- 5 - 42/55/65/85 MHz Return (Upstream) Path Options
- 12 dB Forward (Downstream) Gain
- 7 dB Reverse (Upstream) Gain
- Compliant with SCTE Guidelines
- 360° Pin Structure Gold Plated Inner Conductor, Push or Pull Force ≥ 100 g
- Aluminum Housing With Copper Connector, RFI > 100 dB
- Surge Withstand: IEEE C62.41 Category A3 6kV/200A 0.5 μ S-100kHz Ring Wave
- Regional Power Adapter Included



Ordering Information

AMP-2-12/7-BP - x

U (5-42 / 54-1002); E (5-65 / 85-1002); J (5-55 / 70-1002); M (5-85 / 105-1002 MHz)

| Parameter | Min Value | Typ Value | Max Value | Unit |
|----------------------------------|--|------------|-------------|--------------------|
| Forward (Downstream) Path | | | | |
| Frequency Range | 54/70/85/105 | | 1002 | MHz |
| Forward (Downstream) Gain | 11 | 12 | | dB |
| Flatness | | ± 0.75 | ± 0.10 | dB |
| Output Level | | 20 | | dBmV |
| Noise Figure | | 3.8 | 4.0 | dB |
| Group Delay | 54 to 60 MHz | 20 | 25 | ns |
| | 60 to 66 MHz | 7 | 10 | ns |
| | 66 to 1000 MHz | 3 | 5 | ns |
| Cross Modulation | -75 | | | dBc |
| CTB * | -73 | | -73 | dBc |
| CSO * | -62 | | -62 | dBc |
| Return (Upstream) Path | | | | |
| Frequency Range | 5 | | 42/55/65/85 | MHz |
| Return(Upstream) Gain | | 7 | | dB |
| Insert Loss | | 6.0 | 6.5 | dB |
| Flatness | | ± 0.50 | ± 0.75 | dB |
| Group Delay | 5-42 MHz | 20 | 25 | ns |
| | 10-36 MHz | 3 | 5 | ns |
| General Performance | | | | |
| Impedance | | 75 | | Ohm |
| Return Loss | 16 | 18 | | dB |
| RF to Power Isolation | 55 | 60 | | dB |
| Hum Modulation | -75 | | | dBc |
| Isolation | Bypass to Output | 50 | 55 | 5-42 MHz |
| | Bypass to Output | 8 | 15 | 54-1 GHz |
| | Output to Bypass | 50 | 55 | 5-42 MHz |
| | Output to Bypass | 45 | 50 | 54-1 GHz |
| RFI Shielding | 100 | | | dB |
| Power Consumption | | | 125 | mA |
| Waterproof | 1 | | | kg/cm ² |
| Surge Withstand | IEEE C62.41 Category A3 6kV/200A Ring wave | | | |