

MINI DROP AMPLIFIER ACTIVE RETURN ONLY [M-AMP-1-10R-x] **TaiTin**

Cable Products, Drop Amplifiers



Features

- 5–1002 MHz Bandwidth
- 360° Pin Structure / Push / Pull Force ≥ 100 g
- LED Power Indicator, Power Adapter Included
- Zinc Alloy Housing, RFI > 100 dB
- IEEE C62.41-1991 100 KHz Ring Wave
- Category A3 6kV Surge Withstand
- Compact Design for Limited Installation Space

Ordering Information

M-AMP-1-10R-x

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



| Model Number | Standard Carton | Dimensions | Carton Weight |
|---------------|-----------------|--|------------------|
| M-AMP-1-10R-x | 10 pcs | 8.5 x 7.5 x 2.1 cm / 3.3 x 2.9 x .83 in. | 1.6 kg / 3.6 lbs |

General

| | | Unit |
|-----------------------|---|--------------------|
| Impedance | 75 | Ohm |
| Return Loss | 15 | dB |
| RF to Power Isolation | 55 | dB |
| Hum Modulation | -75 | dBc |
| RFI Shielding | 100 | dB |
| Surge Withstand | IEEE C62.41 Category A3 6kV/200A Ring Wave | |
| Waterproof | 1 | kg/cm ² |
| F Port Conductor | 360° Pin Structure, Push or Pull Force ≥ 50 g | |

Specifications

| Forward (Downstream) | Min. Value | Max. Value | Unit |
|----------------------|--------------|------------|------|
| Path | 54/70/85/105 | 1002 | MHz |
| Frequency Range | 1.5 | | dB |
| Insertion Loss | | 1.0 | dB |
| Flatness | | 25 | dBmV |
| Output Level* | | 4.0 | dB |
| Noise Figure | | | |
| Group Relay | | 20 | ns |
| Ch2 | | 10 | ns |
| Ch3 | | 5 | ns |
| From Ch5 | -73 | | dBc |
| CTB* | -62 | | dBc |
| CSO* | -75 | | dBc |

| Return (Upstream) Path | Min. Value | Max. Value | Unit |
|------------------------|------------|-------------|------|
| Frequency Range | 5 | 42/55/65/85 | MHz |
| Gain | 9 | | dB |
| Flatness | | 1.0 | dB |
| Max Output Level | 60 | | dBmV |
| Noise Figure | | 8 | dB |
| Group Relay | | | |
| 5-42 MHz | | 20 | ns |
| 10-36 MHz | | 5 | ns |
| 2nd Intermodulation** | | | |
| Return(Upstream) | -70 | | dBc |
| Forward(Downstream) | | -40 | dBmV |
| 3rd Intermodulation** | | | |
| Return(Upstream) | -60 | | dBc |
| Forward(Downstream) | | -35 | dBmV |
| Xmod** | -75 | | dBc |

* Input flat 10 dBmV, 77 channels/6 MHz, 550~750 MHz digital signals, carrier level 0 dBmV

** Input 3 unmodulated series carriers @ 18, 27, 33 MHz, out level 56 dBmV