



Description:

Designed to satisfy requirements for building large cable TV network trunk lines and line extensions. Created using up-to date GaAs active components.

Double output power achieved by means of Power Doubler type hybrid IC allows two coaxial lines instead of one to be supplied. Hermetic casing protects the amplifier from environmental impact – dust and humidity.

Features:

- Two output ports
- High power output stage type GaAs - Power Doubler
- Input and output testpoints for reverse channel alignment
- Surge protection on all I/O ports
- Coaxial line power-feeding (option C)
- Water-resistant hermetic housing (IP65) for outdoor mounting
- Mains power-feeding (option M)
- Power-up delay start
- Under-voltage lockout



POWER DOUBLER



| Technical Specifications | | Technical Specifications | | General Specifications | |
|--------------------------|----------------------|----------------------------|------------------------|------------------------|---------------------------|
| DOWN Stream | | UP Stream | | | |
| Bandwidth | 85 ÷ 862 MHz | Bandwidth | 5 ÷ 65/85MHz | Power Supply (Coaxial) | 35 ÷ 70 VAC |
| Active Components | GaAs | Gain | 25 dB | Power Supply (Mains) | 230VAC ± 10% / 47 ÷ 63 Hz |
| Gain | 32dB | Gain Flatness | ± 0.75 dB | Power Consumption | 13W |
| Gain Flatness | ± 0.75dB | Noise Figure | 1 dB ¹ | Hum Modulation | 61dB / ≤6A AC |
| Noise Figure | 7dB ¹ | Interstage Attenuator | 0 ÷ 10 dB / 1 dB pitch | Operating Temperature | -20 ÷ 60°C |
| Return Loss | ≥ 18dB / 75 Ω | Output Attenuator | 0 ÷ 20 dB / 1 dB pitch | Dimensions | 215 x 85 x 200 mm |
| Input Attenuator | 0 ÷ 20dB / 1dB pitch | Cable Corrector | 6dB @ 18MHz | Weight | 1.85 kg |
| Input Cable Corrector | 0 ÷ 20dB / 1dB pitch | Output test port | -20 ± 0.5 dB | | |
| Input/Output test ports | -20 ± 0.5 dB | Input test port (injector) | -20 ± 0.5 dB | | |
| Output level CTB (@62dB) | 110dBμV ² | Output level (IM2>60dB) | 110dBμV | | |
| Output level CSO (@65dB) | 110dBμV ² | | | | |

1) At maximum gain, with all attenuators set to 0dB.
 2) In accordance with EN60083-3, 42 CENELEC standards with cable corrector -10dB inserted.

