



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:

- High power output stage type GaAs - Power Doubler
- Two output ports with power-feeding capabilities
- 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



Technical Specifications		Technical Specifications		General Specifications	
DOWN Stream		UP Stream			
Bandwidth	85 ÷ 1000 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	36dB	Gain Flatness	± 0.75 dB	Power Consumption	15W
Gain Flatness	± 0.75dB	Noise Figure	1 dB	Pass-through Current	≤7A AC
Noise Figure	≤ 8dB	Interstage Attenuator	0 ÷ 10 dB / 1 dB pitch	Hum Modulation	61dB / ≤6A AC
Return Loss	≥ 18dB / 75 Ω	Output Attenuator	0 ÷ 20 dB / 1 dB pitch	Operating Temperature	-20 ÷ 60°C
Input Attenuator	0 ÷ 20dB / 1dB pitch	Cable Corrector	0 ÷ 20 dB / 1 dB pitch	Dimensions	215 x 85 x 200 mm
Input Cable Corrector	0 ÷ 20dB / 1dB pitch	Output test port	-20 ± 0.5 dB	Weight	1.85 kg
Interstage Attenuator	0 dB or 6 dB	Input test port (injector)	-20 ± 0.5 dB		
Interstage Cable Corrector	0 dB or 6 dB	Output level (IM2>60dB)	110dBμV		
Input/Output test ports	-20 ± 0.5 dB				
Output level CTB (@60dB)	117dBμV				
Output level CSO (@60dB)	117dBμV				

CTA-1036UT Technical

DTK

CTA-1036UT Block Scheme

