



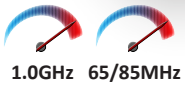
Description:

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 test points 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		Technical Specifications	
DOWN Stream		UP Stream		General Specifications	
Bandwidth	85 ÷ 1000 MHz	Bandwidth	5 ÷ 65/85MHz	Power Supply (Coaxial)	24 ÷ 70 VAC
Active Components	GaAs	Gain	25 dB	Power Supply (Mains)	230VAC ± 10% / 47 ÷ 63 Hz
Gain	40dB	Frequency Response	± 0.5 dB	Power Consumption	15W
Gain Flatness	± 0.75dB	Gain Flatness	± 0.75 dB	Pass-through Current	≤7A AC
Noise Figure	≤ 6dB	Noise Figure	1 dB (≤ 6dB)	Hum Modulation	65dB / ≤6A AC
Return Loss	≥ 20dB / 75 Ω	Return Loss	≥ 20dB	Input/Output Connectors	PG11 on 5/8"
Return Loss on test point	≥ 23dB	Return Loss on test point	≥ 20dB	Test Point	F-Type
Impedance Test Points	75Ω	Interstage Attenuator	0 ÷ 10 dB / 1 dB pitch	Operating Temperature	-40 ÷ 55°C
Input Attenuator	0 ÷ 20dB / 1dB pitch	Output Attenuator	0 ÷ 20 dB / 1 dB pitch	Dimensions	215 x 85 x 200 mm
Input Cable Corrector	0 ÷ 20dB / 1dB pitch	Equalizer Plug-In	0 ÷ 20 dB / 1 dB pitch	Protection Level	IP65
Interstage Attenuator	0 dB or 6 dB	Attenuator Plug-In	0 ÷ 20 dB / 1 dB pitch	Weight	1.85 kg
Interstage Equalizer	0 dB or 9 dB	Output test port	-20 ± 0.5 dB	Number of Output ports	2
Impedance	75Ω	Input test port (injector)	-20 ± 0.5 dB	Group Delay (f > 15MHz)	≤1 nsec @ 1MHz BW
Input/Output test ports	-20 ± 0.5 dB	Output level (IMD3rd ≥ 60)	119dBμV	Transient Protection (kV, μs)	6, 1.2/50
Output level @ CTB ≥ 60dB	117dBμV	Output level (IMD2nd ≥ 60)	115dBμV	Emission (dBpW)	< 20
Output level @ CSO ≥ 60dB	117dBμV	Impedance	75Ω	Screening	> 85dB
		Test Point Impedance	75Ω		

