

TDA40-1000R 2 Way Broadband Distribution Amplifier



The TDA40-1000R Amplifier allows system operator to provide 1 GHz amplification of their network in commercial properties, apartment buildings, and other locations where a reliable high performance 2 way amplifier is needed.

Using a GaAs silicone hybrid the amp provides 40 dB of gain with low distortion characteristics at a high level output. With an internal 42/54 MHz diplex filter 2 way operation is achieved with up to 20 dB gain in the reverse path. Both forward and reverse have 0 to 20 dB slope control.

With an internal UL listed power transformer, the amplifier only uses 9 watts of power and runs extremely cool.

Features

- SMD PC Board Technology
- Lightweight Aluminum Housing for Heat Dissipation
- GaAs Silicone Hybrid for Low Distortions
- 40 dB Forward Gain
- 57 dB Output
- -20 dB Test Points
- F-Female Connectors
- 60" Power Cord

Spec	Forward	Reverse
Bandwidth	54-1000 MHz	5-42 MHz
Silicone	GaAs IC	Mature MMIC
Gain	+40 dB	+20 dB
Gain Control	0-20 dB	0-20 dB
Slope Control	0-20 dB	0-20 dB
Output Level (max)	47/57 dBmV	49 dBmV
Flatness	± 1.5 dB	
Input Return Loss	≥ 10 dB	
Output Return Loss	≥ 10 dB	
Noise Figure	6.0 dB	
CSO	-67 dBc	
CTB	-67 dBc	
Xmod	-75 dB	
Input / Output	75 Ω F Female	
Test Point	-20 dB	
Power	110 VAC/60Hz	
Fuse (internal)	0.63 Amp	
Power Consumption	9 Watts	
Operating Temperature	14° - 122° F	
Size	6" x 5-5/8" x 2-1/4"	
Weight	3.6#	