

Toner

T-65! (\$-10\$0

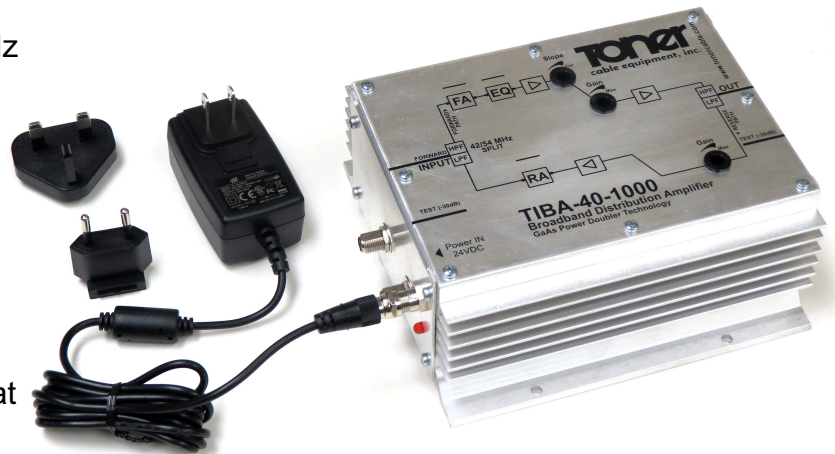
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Toner
cable equipment, inc.
www.tonercable.com

TIBA-40-1000 Two Way Indoor Broadband Amplifier 1 GHz with GaAs-Hybrid / Power Doubling Technology, 40 dB Gain

Features:

- 54-1000 MHz forward path, 5-42 MHz reverse
- 40 dB forward gain, 24 dB reverse
- Plug-in attenuators and equalizers
- Variable gain and slope controls
- GaAs power doubling technology (forward)
- Separate UL listed universal power supply
- Extruded aluminum housing with heat sink for optimum heat dissipation



The Toner TIBA-40-1000 distribution amplifier is the latest addition to the Toner line of amplifiers.

The TIBA amp features high performance GaAs-Hybrid for improved performance and better distortion characteristics. The amplifier is supplied with internal 42/54 MHz diplex filters for 2 way operation. It has a forward gain of 40 dB and a reverse gain of 24 dB for use in 2 way systems. The amplifier features a plug-in forward attenuator, plug-in forward equalizer and adjustable interstage slope and gain controls. The reverse path has an adjustable gain control and a plug-in reverse attenuator. The amplifier is built in an extruded aluminum housing for heat dissipation. The housing features a removable cover for access to the pads and equalizers and also features gain and slope adjustments with the cover in place. Power is by use of a universal switch mode power supply (100-240 VAC/24 VDC).

Specifications

Forward Path	Return Path	
Technology	Power Doubling, GaAs, Hybrid	Push Pull, Si-Bipolar
Frequency Range	54-1000 MHz	5-42 MHz
Gain	40 dB	24 dB
Input Gain Control 0 to 20 dB in 1 dB steps	Plug-in, fixed value	0 to 18 dB variable
Second Stage Gain Control	0 to 10 dB variable, mid stage 0 to 20 dB in 1 dB steps	Plug-in, fixed value,
Input Slope Control 0 to 20 dB in 1 dB steps	Plug in, fixed value	NA
Second Stage Slope Control	0 to 10 dB variable, mid stage	NA
Input / Output Return Loss	16 dB	16 dB
Noise Figure	6 dB	6 dB
Channel Loading	79 ch 129 ch 151 ch analog analog analog	4
Output Level - dBmV	40/50 38/48 36/46	52
Composite Triple Beat (CTB) - dBc	-63 -65 -65	-64
Composite Second Order (CSO) - dBc	-65 -66 -66	-68
Crossmodulation (XMOD) - dBc	-62 -61 -60	-65
Hum Modulation - dBc	-70	-70
Max Input Level (per channel w/o using fixed input attenuator)	20 dB @ 79 ch 18 dBmV @ 110 ch	
Optimum Input Level Range	7 dBmV to 12 dBmV	
Impedance	75 ohm	75 ohm
Input / Output Test Port Level	-30 ±1 dB	
Operating Temperature Range	-4°C to +130°F	
Input / Output Connectors	F type	
Surge Withstand (IN / OUT)	IEEEC 62.41 Cat. A3 (6kV, 200A)	
Power Requirement	Wall Power Transformer, Input = 90-240 VAC, 50-60 Hz, 1A Output =24 ±1 VDC, 1.25A	
Size (L x W x H)	7 3/4" x 6 1/3" x 3" (195 mm x 160 mm x 79 mm)	
Shipping Weight	6 lbs (1.8 kgs)	

Ordering Information - Plug In Accessories	
Attenuator Pads 1 GHz 0 to 20 dB in 1 dB steps	TBLE-9518-** (replace ** with dB value)
Forward Equalizer 1 GHz 0 to 20 dB in 1 dB steps	TBLE-MLEQ-** (replace ** with dB value)
Reverse Equalizer 1 GHz 0 to 12 dB in 1 dB steps	TBLE-9504-** (replace ** with dB value)