

## Triax 8 way IF Line Amplifier



## TMS 88 AMP

P/N: 300375

- Easy to install
- 8 x IF polarities (950 – 2150 MHz)
- High Gain, (32-36 dB, separate slope and attenuators per polarity)
- Separate and powerful SMPSU, supplied with product

### General Description :

Triax TMS 88 AMP is an easy to install 8 x IF Line Amplifier, that can be used with all products in the TMS 9xP, TMP9x and TMS9xC Series. It is used to amplify the satellite signals to compensate for distribution and cable losses in the system or to work as an initial launch amplifier.

The TMS 88 AMP has 8 x satellite amplifiers, each with 36 dB amplification and a maximum output level of 120 dB $\mu$ V. Separate attenuators allows 0-20 dB adjustable attenuation, as well as an adjustable slope of 8-12 dB.

The TMS 88 AMP is delivered with an external Switch Mode Power Supply, that can source more than 1 Amperes for LNB DC sourcing in addition to internal TMS 88 AMP DC sourcing.

# TRIAX TechInfo

## Technical specifications:

		<b>TMS 88 AMP</b>	
Input/output lines	/	<b>8 inputs and 8 outputs, 1 18VDC input</b>	
Connectors	/	9 F-connectors, female	
Frequency Range	MHz	950 - 2150	
Gain	dB	36	
Gain control	dB	0 -20	
Slope control	dB	8 - 12	
Interstage adjustment: - attenuator - equalizer	dB dB	plug-in JXP 0 - 8 (step 1dB) plug-in JXP 0 - 12 (step 1dB)	
Max. output level: IMD (3,3) @ 60dB (DIN 45004B)	dBuV	122	127
Max. output level: - CTB @ 60dB for CENELEC (42 channels) with an interstage equalization ±6dB	dBuV	108	112
- CSO @ 60dB for CENELEC (42 channels) with an interstage equalization ±6dB	dBuV	110	112
Return loss at all Inputs / Outputs: - in the frequency range of 5 - 40MHz	dB	20	
- in the frequency range of 40 - 862MHz	dB	20 @ 40MHz – 1,5dB / oct.	
Noise factor	dB	7,5	
<b>RETURN PATH</b>			
Frequency range	/	Determined by a duplex filter – plug-in module (DPF)	
Attenuation (passive return path)	dB	2,3 (65MHz) / 2,0 (55MHz) / 1,6 (30MHz)	
Gain – measured at amplifier IN / OUT	dB	20	
Gain characteristic flatness	dB	±1	
Output attenuator / equalizer	dB	0 - 18 (min. adjustable)	plug-in JXP 0 - 20
Max. output level: - IMD > 60dB, DIN 4500B	dBuV	118	
- IMD > 60dB, EN 50083-3.2.2	dBuV	115	
Noise factor (max.)	dB	6,0	
Power consumption	W	1	
<b>OTHERS</b>			
Operating voltage	V AC / Hz	24 - 65 / 50 - 60 (sinusoid or trapezoid)	
Power consumption (passive return path)	W	13	14,5
Power supply method	/	Remote from any Input / Output	
Current consumption at 24V AC / 65V AC	A	0,8 / 0,29	0,9 / 0,3
Input / Output connector (standard)	/	5,8" or PG11	
Transfer of current from Input / Output	/	yes, max. 7A for 5,8" or PG11 connectors	
Protection class	/	IP64	
Operational temperature range	°C	-20 - +60	
Weight	kg	1,4	
Dimension (W x H x D)	mm	196 x 134 x 84	