



FMAMP300

300 W FM PALLET AMPLIFIER



It is designed for FM radio exciters and transmitters. This amplifier incorporates LDMOS transistor to enhance ruggedness and reliability.

- 87.5 ÷ 108 MHz
- 50 Volts
- Input Impedance: 50 Ohm
- Output Impedance: 50 Ohm
- Pout: 300 W
- Gain: 28 dB
- Efficiency: 75 %
- Class: AB
- Devices: BLF183XR

Technical Parameters

ABSOLUTE MAXIMUM RATINGS (Device Flange T = 70 °C)

Symbol	Parameter	Value	Unit
Vs	Voltage Supply	50	V dc
Is	Supply Current	8.31	A dc
Tstg	Storage Temperature Range	-30 / +150	°C
Tc	Operating Temperature	-10 / +82	°C

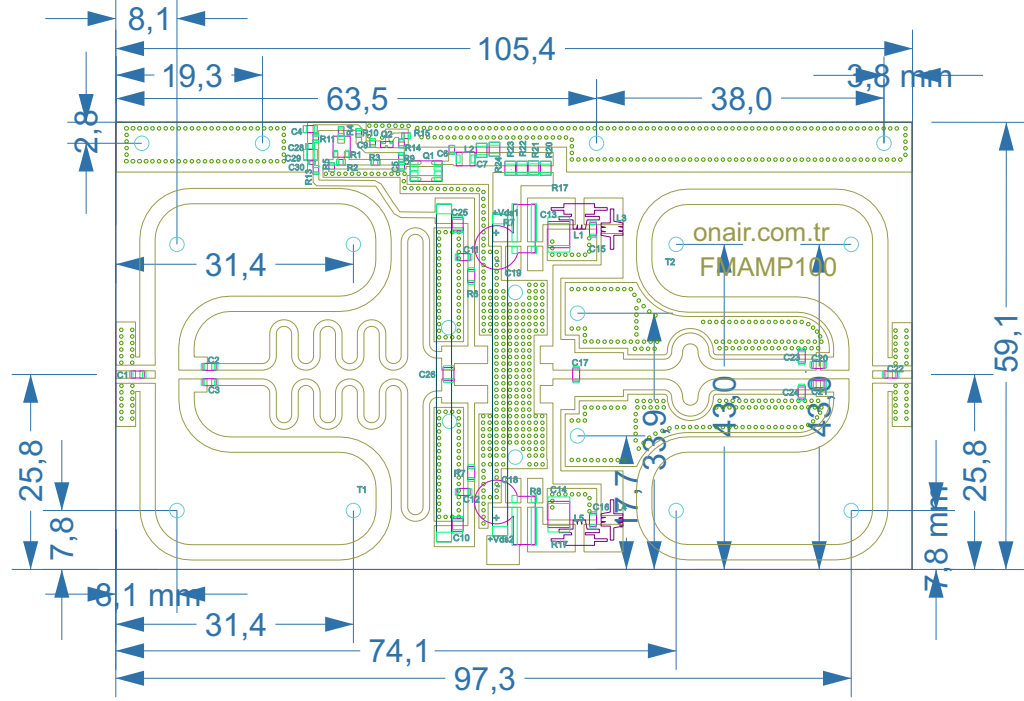
ELECTRICAL SPECIFICATIONS (Base Plate T. = 45 °C, 50 Ohm loaded, Vd = 50 V)

Characteristics	Min	Typ.	Max	Unit
Fundamental Output Power	200	300	350	W
Input Power	26.3	26.5	27	dBm
Power Gain (300W output)	25	28	28.4	dB
Efficiency (Load 50 Ohm)	69.6	75	82	%
Input VSWR	1.8:1			
Flatness			± 0.8	dB
Class AB Quiescent Current		100		mA

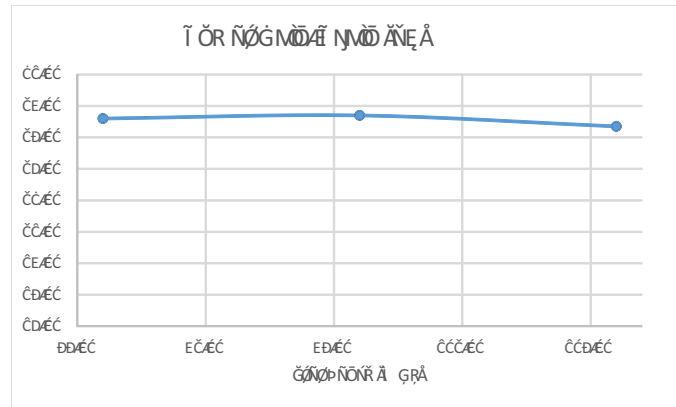


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GAIN VERSUS FREQUENCY



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