



FMAMP75

75 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: 75 W
- Gain: 24 dB
- Efficiency: 72%
- Class: AB
- Devices: BLP05H675XR

Technical Parameters

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

Symbol	Parameter	Value	Unit
Vs	Voltage Supply	50	V dc
Is	Supply Current	1.77	A dc
Tstg	Storage Temperature Range	-30 / +150	°C
Tc	Operating Temperature	-10 / +84	°C

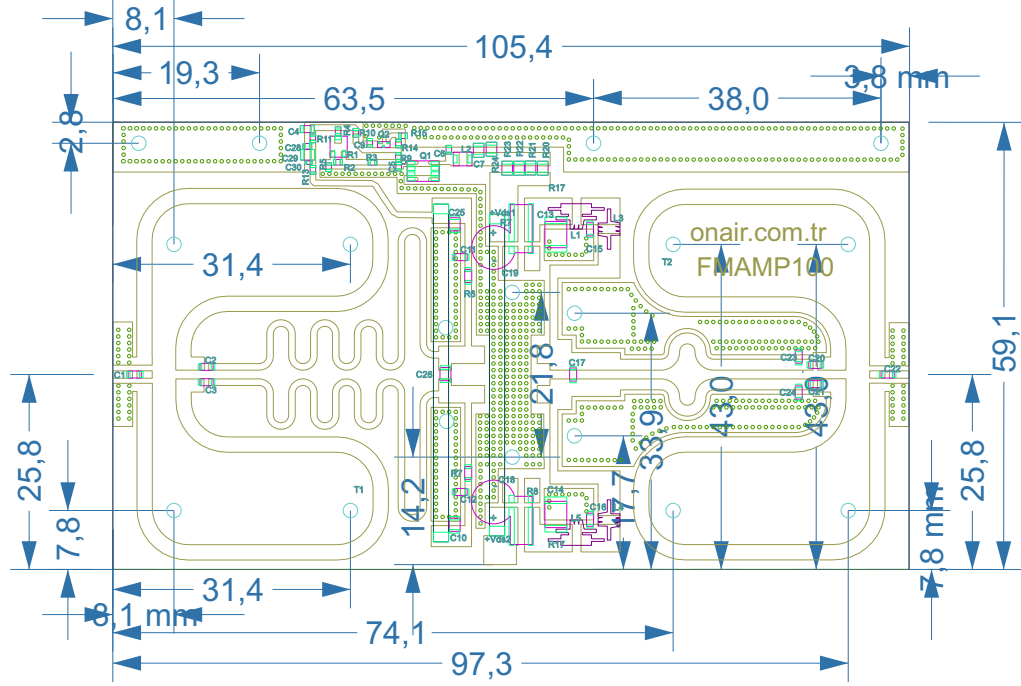
ELECTRICAL SPECIFICATIONS (Base Plate T. = 45 °C, 50 Ohm loaded, Vd = 50 V)

Characteristics	Min	Typ.	Max	Unit
Fundamental Output Power	70	75	79	W
Input Power	21	22.2	24.2	dBm
Power Gain (75W output)	22.5	24.5	24.8	dB
Efficiency (Load 50 Ohm)	63.8	72	79	%
Input VSWR	1.8:1			
Flatness			± 1.3	dB
Class AB Quiescent Current		40		mA

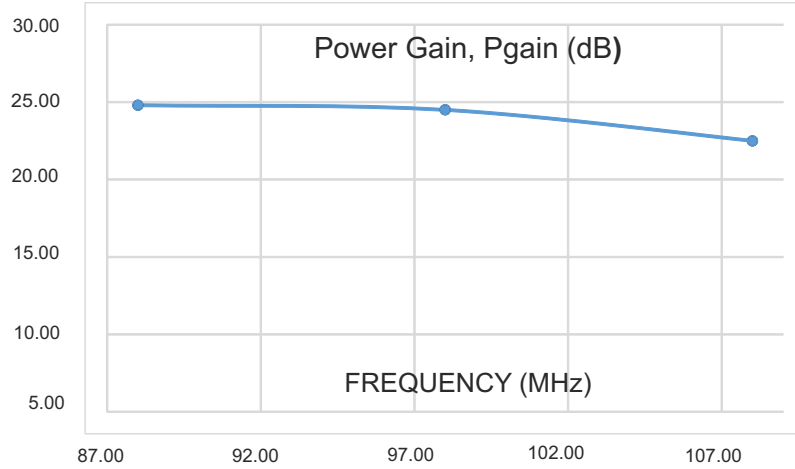


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GAIN VERSUS FREQUENCY



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