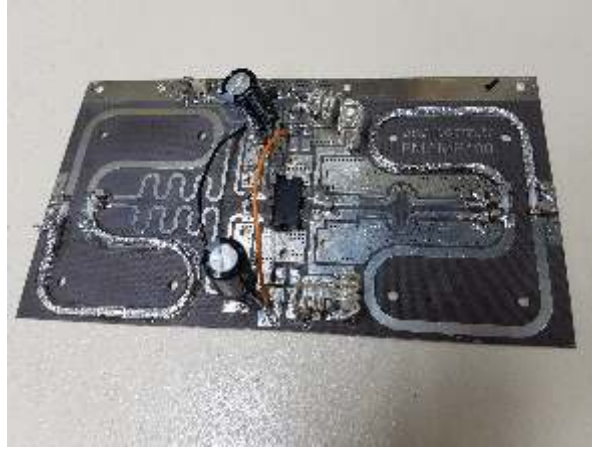




FMAMP100

100 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: 100 W
- Gain: 23.5 dB
- Efficiency: 74%
- Class: AB
- Devices: BLP05H6110XR

Technical Parameters

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

Symbol	Parameter	Value	Unit
Vs	Voltage Supply	50	V dc
Is	Supply Current	2.22	A dc
Tstg	Storage Temperature Range	-30 / +150	°C
Tc	Operating Temperature	-10 / +87	°C

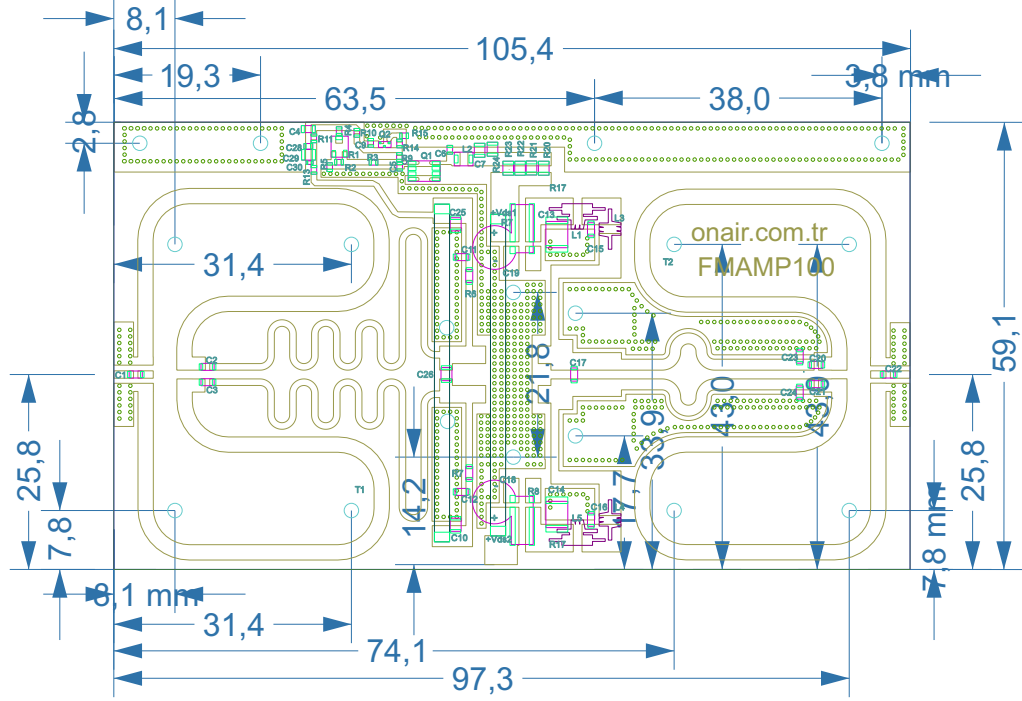
ELECTRICAL SPECIFICATIONS (Base Plate T. = 45 °C, 50 Ohm loaded, Vd = 50 V)

Characteristics	Min	Typ.	Max	Unit
Fundamental Output Power	80	100	110	W
Input Power	23.5	24	25	dBm
Power Gain (100W output)	22.6	23.5	24.1	dB
Efficiency (Load 50 Ohm)	59.3	73.4	75	%
Input VSWR	1.8:1			
Flatness			± 0.8	dB
Class AB Quiescent Current		60		mA

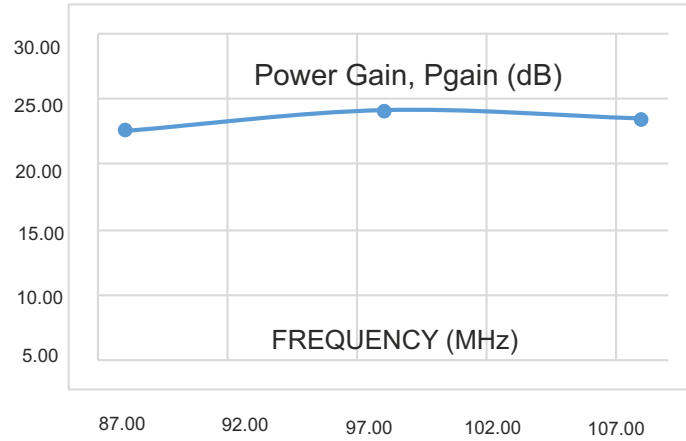


FMAMP100

100 W FM PALLET AMPLIFIER



GAIN VERSUS FREQUENCY



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