



FMAMP05

5 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: 5 W
- Gain: 27 dB
- Efficiency: 40%
- Class: B
- Devices: BLP10H605

Technical Parameters

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

Symbol	Parameter	Value	Unit
Vs	Voltage Supply	50	V dc
Is	Supply Current	0.26	A dc
Tstg	Storage Temperature Range	-30 / +150	°C
Tc	Operating Temperature	-10 / +74	°C

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

Characteristics	Min	Typ.	Max	Unit
Fundamental Output Power	4.5	5	6.3	W
Input Power	8.3	9	9.8	dBm
Power Gain (5W output)	26.6	27	27.8	dB
Efficiency (Load 50 Ohm)	35.92	37	40	%
Input VSWR	1.8:1			
Flatness			±1.1	dB
Class B Quiescent Current		30		mA

