

Model:TLPA60M0.3G-30-36

Power Amplifier

0.06-0.3GHz,Gain:30dB,P1dB:36dBm

Feature:

- Ultra Wide Band: 0.06-0.3GHz
- Gain:30dB Min
- P1dB Output Power:36dBm Min
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	0.06-0.3			GHz
Gain	30			dB
Gain Flatness		± 1	± 2	dB
Output P1dB	36			dBm
Output Psat	37			dBm
Input VSWR			2	:1
DC Voltage		+28		V DC
DC Supply Current		0.5		A
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	SMA Female/SMA Female	
DC Bias	Solder Pin	
Size	130*140*23	mm
Weight	/	g

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+28V
RF Input Power	12dBm
ESD sensitivity (HBm)	Class 0, passed 150V



Available 220V System
Benchtop Amplifier

Outline Drawing:

Unit: mm



*****Heat Sink Required During Operation**



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-45		+85	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	30,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Part Number	Description	Revision
TLPA60M0.3G-30-36	Power amplifier 0.06-0.3GHz,Gain:30dB,P1dB:36dBm,+28V DC,Without Heatsink.	Rev.1.0
TLPA60M0.3G-30-36-HS	Power amplifier 0.06-0.3GHz,Gain:30dB,P1dB:36dBm,+28V DC,With Heatsink.	Rev.1.0