

Model:TLPA50M350M-33-33

Power Amplifier
50-350MHz,Gain:33dB,Psat:33dBm

Feature:

- Ultra Wide Band: 50-350MHz
- Gain: 33 dB
- Psat Output Power: 33 Typ
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output



Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	50-350			MHz
Gain	33	35		dB
Gain Flatness		±1	±2	dB
Output Psat	33	34		dBm
VSWR			1.5	:1
Input Power			0	dBm
DC Voltage	12			V DC
DC Supply Current	1			A
Impedance	50			Ohms

Mechanical Specifications:

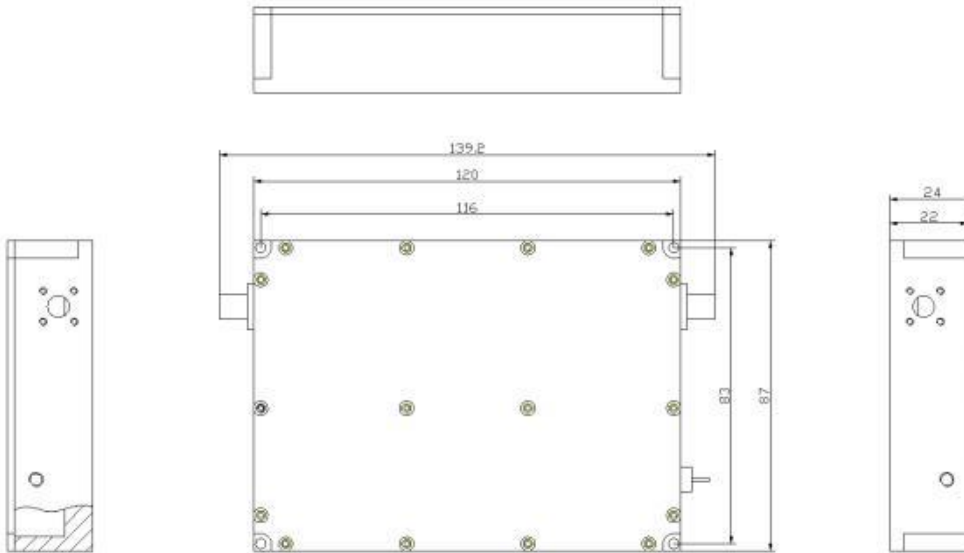
Parameter	Value
Input /Output Connector	SMA -K/SMA-K
Bias	Solder Pin
Size	120*87*24mm
Weight	/

Absolute Maximum Ratings:

Parameter	Value
RF INPUT POWER	+10 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit: mm



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



Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-45		+85	°C
Non-operating Temperature	-55		+125	°C
Relative humidity	100%RH at 35°C, 95%RH at 40°C			%
Altitude	50,000			feet
Shock / Vibration(MIL-STD-810F)	20g,11ms,saw-tooth			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Part Number	Description	Revision
TLPA50M350M-33-33	Power amplifier30-350MHz,Gain:33dB,Psat:43dBm, +12V DC,Without Heatsink	Rev.1.0
TLPA50M350M-33-33	Power amplifier 30-350MHz,Gain:33dB,Psat:33dBm, +12V DC,With Heatsink	Rev.1.0