

Model:TLDCADC1.5G-14-14

DC Coupled Amplifier

DC-1.5GHz,Gain:16dB,P1dB:14dBm

Feature:

- Ultra Wide Band: DC-1.5GHz
- Gain:15dB Min
- P1dB Output Power:14dBm Min
- Internally Voltage Regulated
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	DC-1.5			GHz
Gain		16		dB
3-dB Bandwidth		1500		MHz
Output P1dB	+14	+15		dBm
Noise Figure			16	dB
Input VSWR		1.8		:1
Output VSWR		1.3		:1
Input Power		10		dBm
DC Voltage		+12	+14	V DC
DC Supply Current		55		mA
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	SMA Female/SMA Female	
DC Bias	Solder Pin	
Size	29.2*44.8*11	mm

Absolute Maximum Ratings:

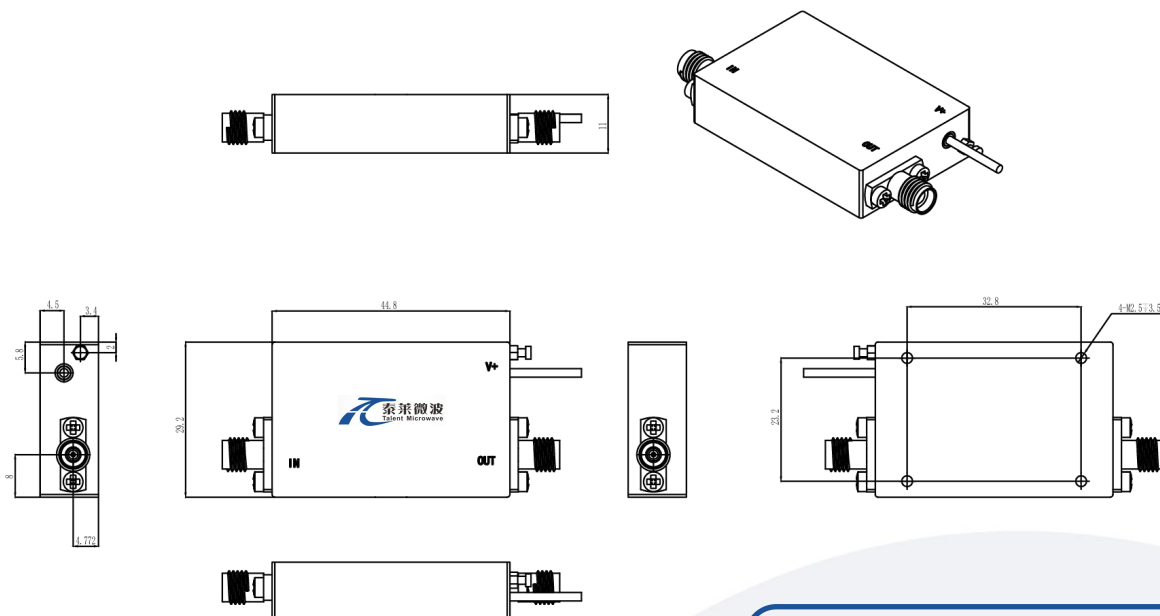
Parameter	Value
Supply Bias Voltage	+14V
RF Input Power	10 dBm
ESD sensitivity (HBm)	Class 0, passed 150V



Available 220V System
Benchtop Amplifier

Outline Drawing:

Unit: mm



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
TLDCADC1.5G-14-14	DC Coupled amplifier DC-1.5GHz,Gain:16dB,P1dB:14dBm,+12VDC.	Rev.1.1