Turpanic Co, Ltd
Email: johnny@turpanic.com
Mob/WeChat/WhatsApp: +8613088887527

TURLA10M110G-1360

TURLA10M110G-1360 is a low noise amplifier with a typical small signal gain of 20 dB and a nominal noise figure of 6dB@10MHz-80GHz across the frequency range of 10MHz to 110 GHz. The DC power requirement for the amplifier is +12 V DC. The input and output port configuration offers coax adapter structure with 1.0mm female.

Features:

- Frequency range: 10MHz-110GHz
- Gain: 20dB Typ
- Noise Figure: 6dB@10MHz-80GHz Typ
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

Applications:

- Communication systems

电气特性 Electrical Characteristics:

参数 Parameter		Min	Typ	Max	单位 Units
频率范围 Frequency range		0.01		110	GHz
小信号增益 Small Signal Gain			20		dB
噪声系数 Noise Figure	@10MHz-80GHz		6		dB
	@80-110GHz		8		
线性输出功率 Output P1dB	@10MHz-80GHz		4		dBm
	@80-95GHz		1		
输入驻波 Input VSWR			2		:1
输出驻波 Output VSWR			2.5		:1
直流电压 DC Voltage			+12		V DC
阻抗 Impedance			50		Ohms

机械特性 Mechanical Specifications:

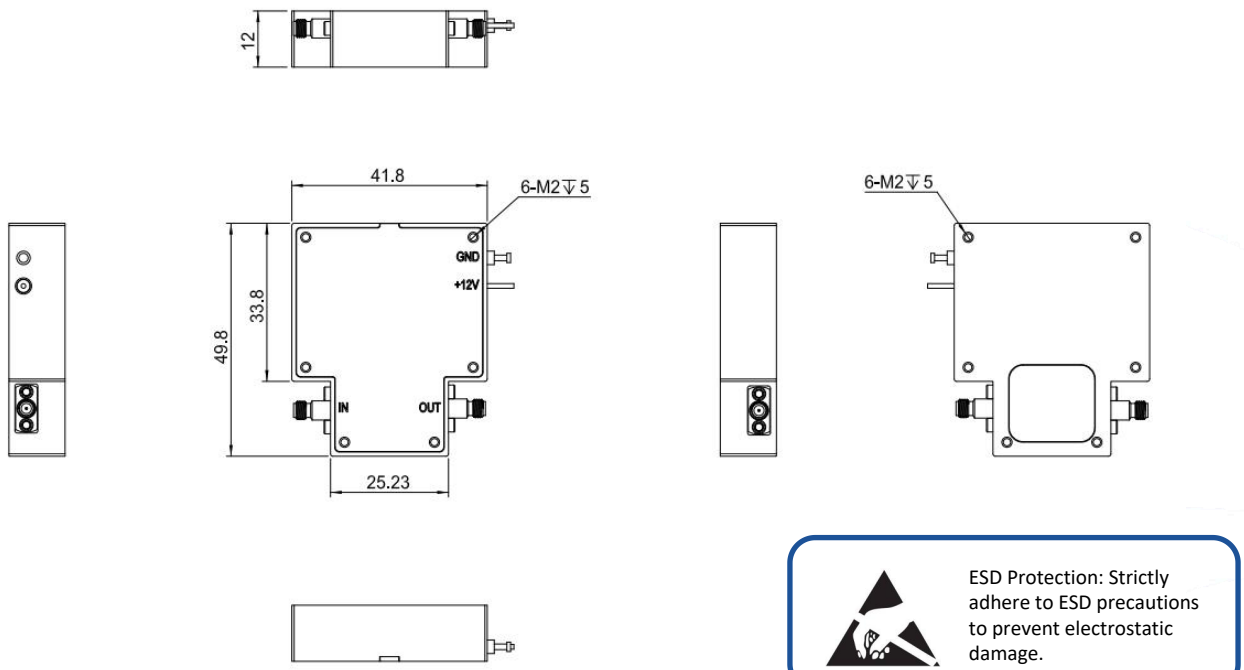
参数 Parameter	指标 Value	单位 Units
输入/输出接口 Input /Output Connector	1.0mm Female/1.0mm Female	

Turpanic Co, Ltd
Email: johnny@turpanic.com
Mob/WeChat/WhatsApp: +8613088887527

绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+15 V
输入功率 RF Input Power	0 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形图 Outline Drawing: Unit:mm



ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

温度环境 Environmental Conditions:

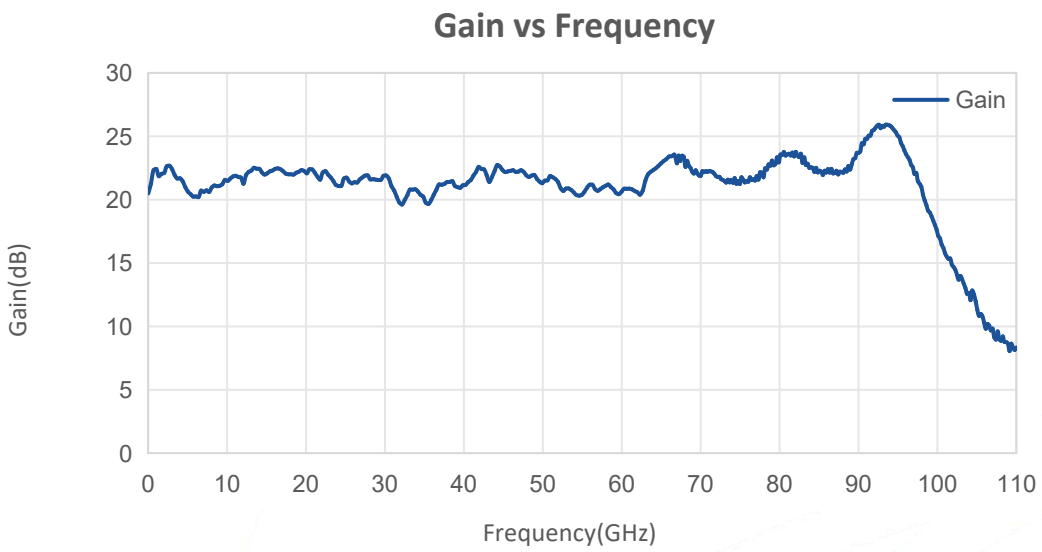
参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature	-45		+85	℃
存储温度 Non-operating Temperature	-55		+125	℃
相对湿度 Relative humidity		95		%
海拔 Altitude		10,000		feet

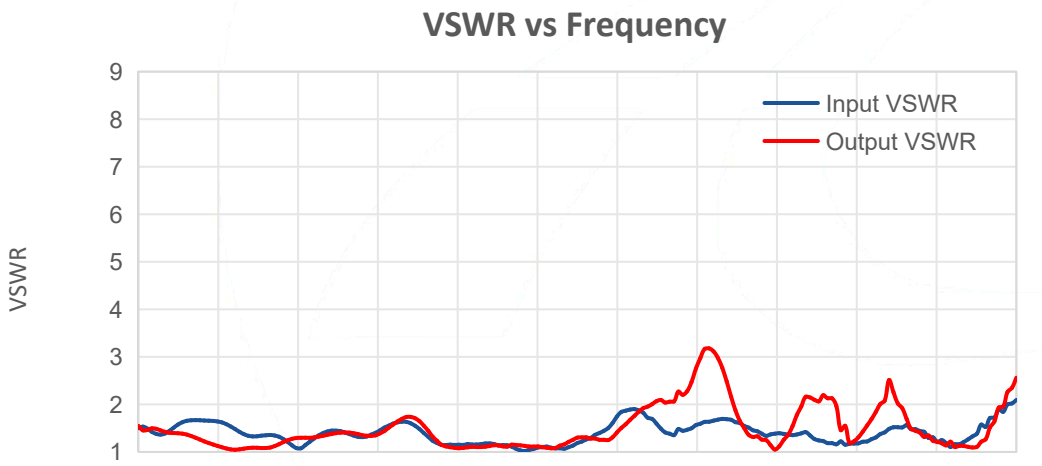
Turpanic Co, Ltd
Email: johnny@turpanic.com
Mob/WeChat/WhatsApp: +8613088887527

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TURLA10M110G-1360	Low Noise Amplifier, 10MHz-110GHz, Noise Figure:6dB, Gain: 20dB,P1dB: 4dBm, +12V DC, Without Heatsink	Rev.1.0
TURLA10M110G-1360 HS	Low Noise Amplifier, 10MHz-110GHz, Noise Figure:6dB, Gain: 20dB,P1dB: 4dBm, +12V DC, With Heatsink	Rev.1.0

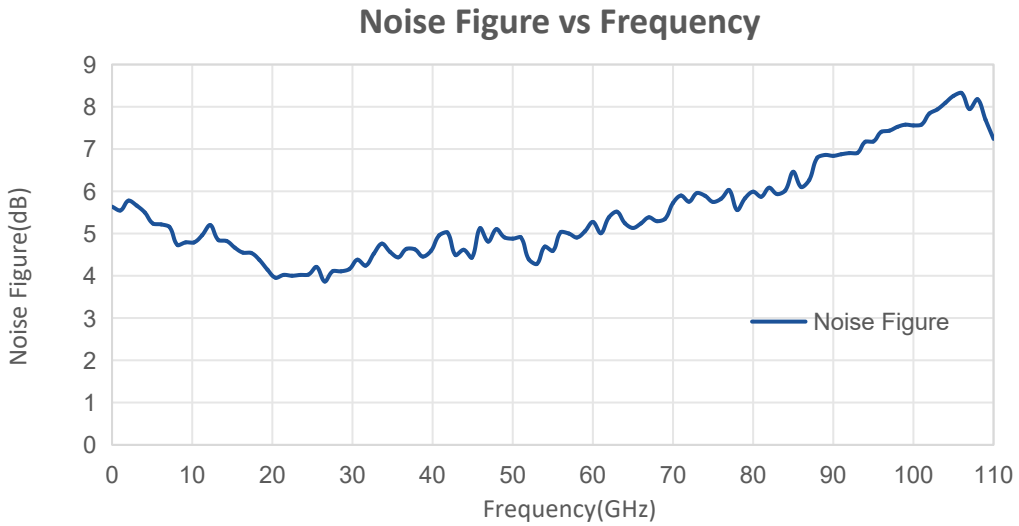
典型曲线 Typical Performance Data:

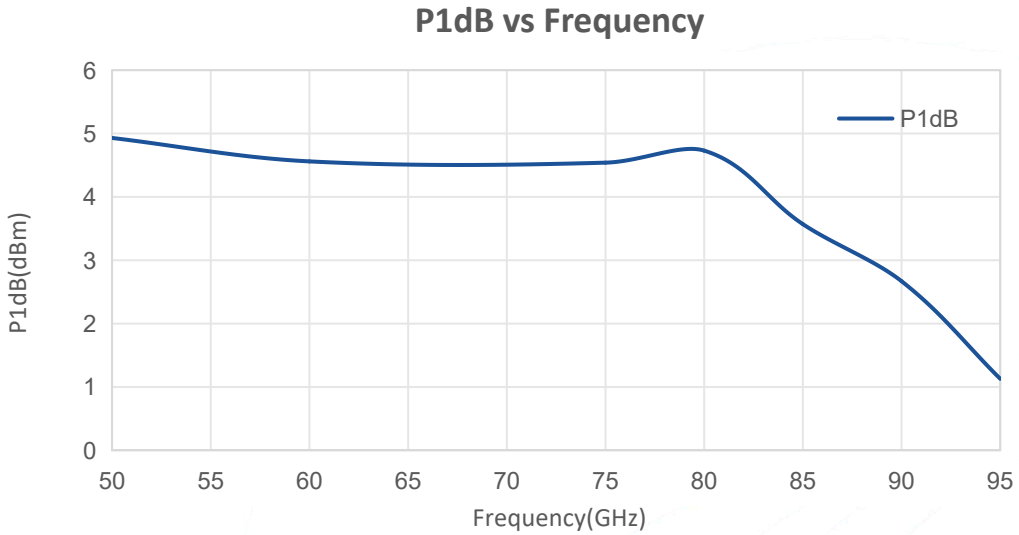




Turpanic Co, Ltd
Email: johnny@turpanic.com
Mob/WeChat/WhatsApp: +8613088887527

典型曲线 Typical Performance Data:





Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.