

**Model: TLVP0.5G1G-180-11**
**Voltage Controlled Phase Shifter  
0.5-1GHz**
**Feature:**

- Ultra Wide Band: 0.5-1GHz
- High Phase Shift Accuracy
- High Phase Shift Range
- Low Phase Error

**Electrical Specification:**

Parameter	Min.	Typ.	Max.	Units
Frequency range	0.5-1			GHz
Insertion Loss			3	dB
Input VSWR			2.0	:1
Output VSWR			2.0	:1
Phase Shift Range		180		°
Phase accuracy			±20	°
Power Handling			27	dBm
DC Voltage		+11		V DC
DC Supply Current		10		mA

**Mechanical Specification:**

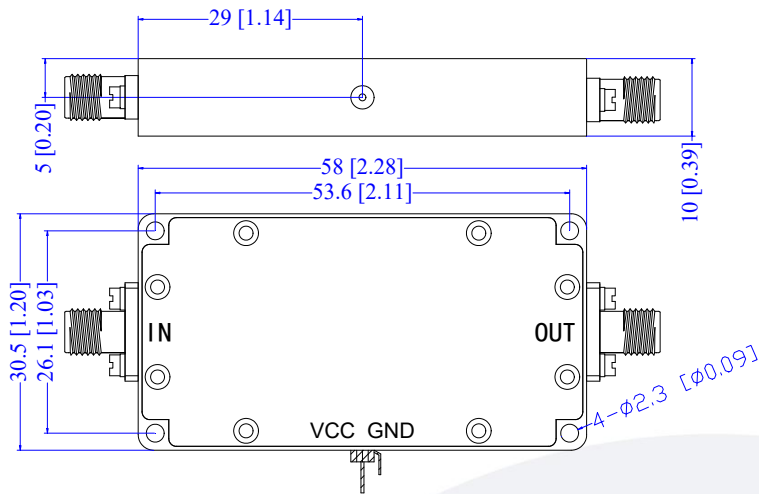
Parameter	Value	Units
Input /Output Connector	SMA Female	
DC and control interface	MIL-C-39012	
Size	58*30.5*10	mm
Weight		g

**Absolute Maximum Ratings:**

Parameter	Value
Supply Bias Voltage	+5V (±5%)
RF Input Power	27 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit: mm(Inches)



Environmental Conditions:

Parameter	Min.	Typ.	Max.	Units
Operating Temperature	-45		+85	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%

Ordering Information:

Part Number	Description	Revision
TLVP0.5G1G-180-11	Voltage Controlled Phase Shifter ,0.5-1GHz,SMA	Rev.1.1