

**Model:TLMTDC40G-35-12**
**DC - 40GHz Limiter**  
**RF Power Handling , Average:32dBm**
**Feature:**

- Ultra Wide Band: DC -40GHz
- RF Power Handling , Average:32dBm
- RF Power Handling , Peak : 35dBm
- 50 Ohm Matched Input / Output

**Electrical:**

Parameter		Min.	Typ.	Max.	Units
Frequency range		DC-40GHz			GHz
Insertion loss			2.3		dB
Limiting power	1GHz @20dBm input		14		dBm
	20GHz @20dBm input		11		dBm
	40GHz @16dBm input		8		dBm
Input/Output VSWR			2.0		:1
Input IP3			25		dBm
P-1 Input P1dB			11		dBm
Impedance		50			Ohms

**Mechanical :**

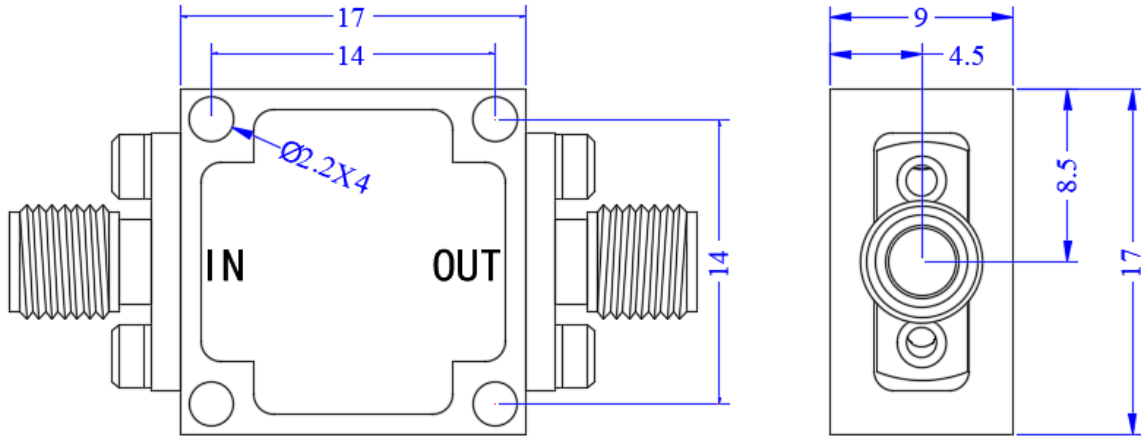
Parameter	Value	Units
Input /Output Connector	2.92mm Female	
Size	17*17*9	mm
Weight	50	g

**Absolute Maximum Ratings:**

Parameter	Value
RF Input Power	+32dBm
ESD sensitivity (HBm)	Class 0, passed 150V

**Outline Drawing:**

Unit: mm



OBSERVE PRECAUTIONS  
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**Environmental Conditions:**

Parameter	Min.	Typ.	Max.	Units
Operating Temperature	-40		+75	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	50,000			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
TLMTDC40G-35-12	DC - 40GHz Limiter , RF Power Handling , Average:32dBm	Rev.1.1
TLMTDC40G-35-12-HS	DC - 40GHz Limiter , RF Power Handling , Average:32dBm	Rev.1.1