

FEATURES

- Wide Bandwidth
- Low Insertion Loss
- Lower limiting threshold
- Miniature Sizes for drop-In Assembly
- Rugged/compact Thin Film Construction
- High power handling

APPLICATIONS

- Front End Protection for LNA's
- Power Leveling (Limiting)
- Receiver Protection



ELECTRICAL SPECIFICATIONS@25°C:

Parameter	Min	Typical	Max	Units
Frequency Range	8		12	GHz
Insertion Loss			1	dB
Insertion Loss Flatness			±0.4	dB
VSWR Input			1.8:1	Ratio
Threshold			15	dBm
Power Handling Average	1			Watt

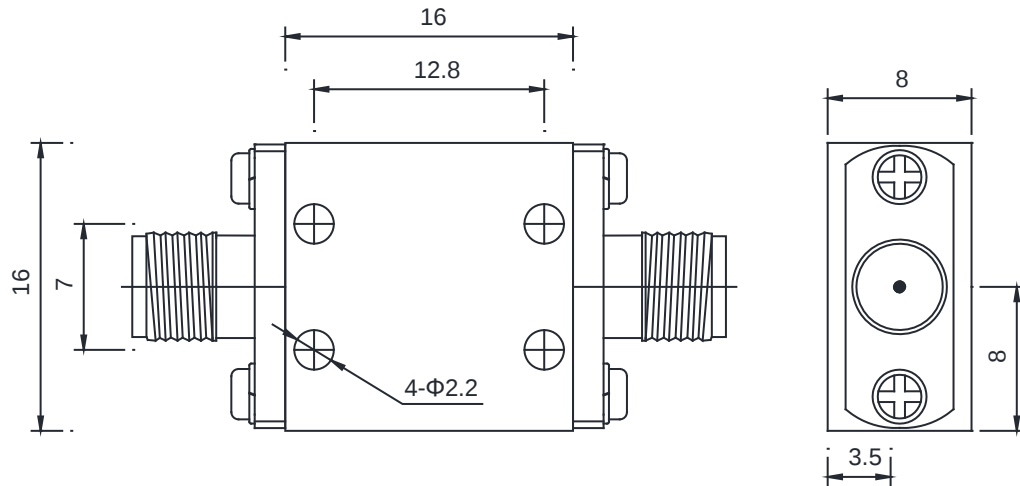
ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Operating Temperature	-40		+85	°C
Non-operating Temperature	-55		125	°C
Relative humidity (non-condensing)		95		%
Altitude (MIL-STD-810F)	10000		30000	feet
Shock / Vibration (MIL-STD-810F)		Airbone		

MECHANICAL SPECIFICATIONS:

Parameter	Value	Limits	Units
Dimensions(L*W*H)	16*16*8	Max	Milimeter
Weight	50	Max	gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		Ohms

OUTLINE DRAWING(mm):



LT6

TEST DATA:

Temperature (°C)	Frequency range(GHZ)	Insertion Loss (Max) ≤1dB	Insertion loss flatness(Max) ≤±0.4dB	Input VSWR (Max) ≤1.5	Output VSWR (Max) ≤1.5
25	8-12	0.98	0.3	1.23	1.19

