

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	2		18	GHz
insertion Loss			2	dB
VSWR			1.8:1	Ratio
Threshold	25	30		dBm
Spike leakage			35	dBm
input power 1% duty cycle peak			400	Watt
IP2 (@ 0dBm)	60			dBm
Pulse Width		1(PW)/100(PRI)		us
Input power CW			1	Watt
Recovery Time			100	ns

ENVIRONMENTAL RATINGS:

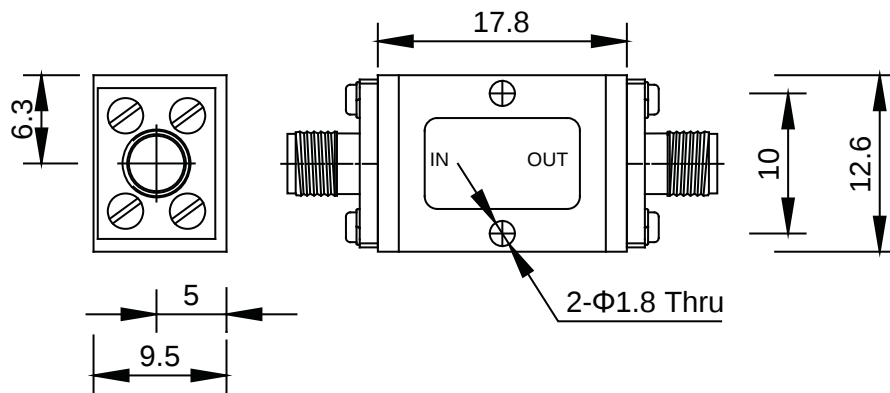
Parameter	Min	Typical	Max	Units
Operating Temperature	-40		+85	°C
Non-operating Temperature	-55		+90	°C
Humidity @ 33°C(non-condensing)		83		%
Altitude (MIL-STD-810F)	10000		30000	feet
Shock / Vibration (MIL-STD-8110F)		Airbone		

Note:Reliability (MTBF/MTTR):>70000 hrs.

MECHANICAL SPECIFICATIONS:

Parameter	Value	Limits	Units
Dimensions(L*W*H)	17.8*12.6*9.5	Max	Milimeter
Weight	50	Max	gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		Ohms

OUTLINE DRAWING(mm):



LT1