



WIDE BAND PIN DIODE LIMITER MLT005180T10

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	0.5		18	GHz
insertion Loss			2.5	dB
VSWR Input/output			2.2:1	Ratio
Threshold		10		dBm
Spike leakage			13	dBm
input power 1% duty cycle peak			200	Watt
Pulse Width		1		us
Input power CW			2	Watt
Recovery Time		50		ns

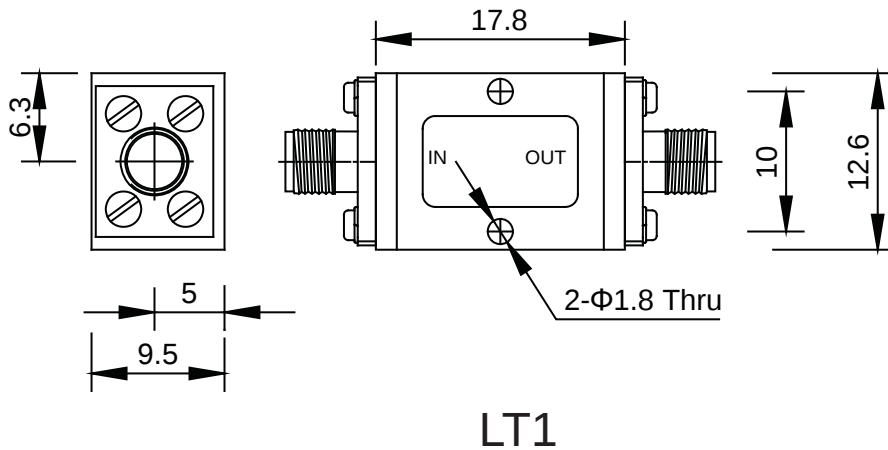
ENVIRONMENTAL RATINGS:

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)	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):



TEST DATA:

Temperature (°C)	Frequency range (GHz)	Insertion Loss (Max) ≤ 2.5 dB	Input VSWR (Max) ≤ 2.2	Output VSWR (Max) ≤ 2.2
25	0.5-18	1.83	1.49	1.45