



WAVEGUIDE HIGH POWER LIMITER

MLT150156H025K

FEATURES

- High Power Handling
- Low Limiting Threshold
- Low Leakage Level
- Miniature Sizes

APPLICATIONS

- Front End Protection for LNA's
- Power Leveling (Limiting)
- Receiver Protection
- Radar&EW system



ELECTRICAL SPECIFICATIONS@25°C:

Parameter	Min	Typical	Max	Units
Frequency Range	15		15.6	GHz
Peak Power			2.5	KW
Pulse Width	0.8		30	µs
Duty Cycle	0.2		2	%
Insertion Loss			1.2	dB
Flatness Leakage			50	mW
Spike Leakage			2	Watt
VSWR			1.4:1	Ratio
Recovery Time			2	µs

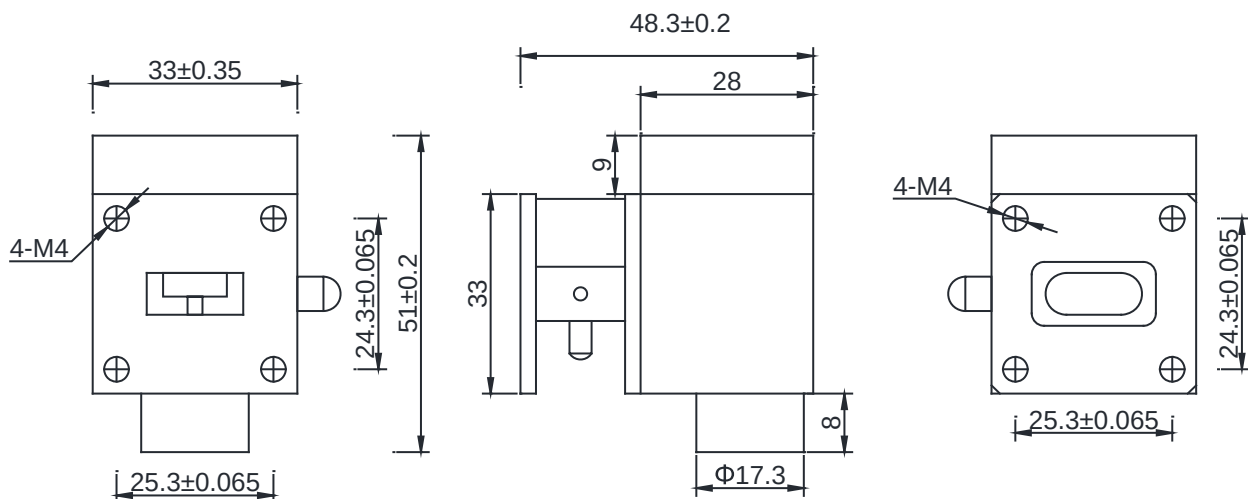
ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Operating temperature	-40		+75	°C
Non-operating Temperature	-55		+125	°C
Relative humidity(non-condensing)	-95		98	%
Altitude (MIL-STD_810F)	10000		30000	feet
Shock/Vibration(MIL-Std_810F)		Airbone		
Pressurization	30			Psig

MECHANICAL SPECIFICATIONS:

Parameter	Value	Limits	Units
Dimensions	48.3*51*33	Max	Millimeter
Weight	300	Typ	gram
RF Connectors Input	WR62		
RF Connectors output	WR62		

OUTLINE DRAWING(mm):



WL11

TEST DATA:

PLS ($\leq 2W$)	PLf ($\leq 50mW$)	trA ($\leq 2\mu s$)
0.029	11	0.52

