



WAVEGUIDE HIGH POWER LIMITER MLT090100H003K

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:

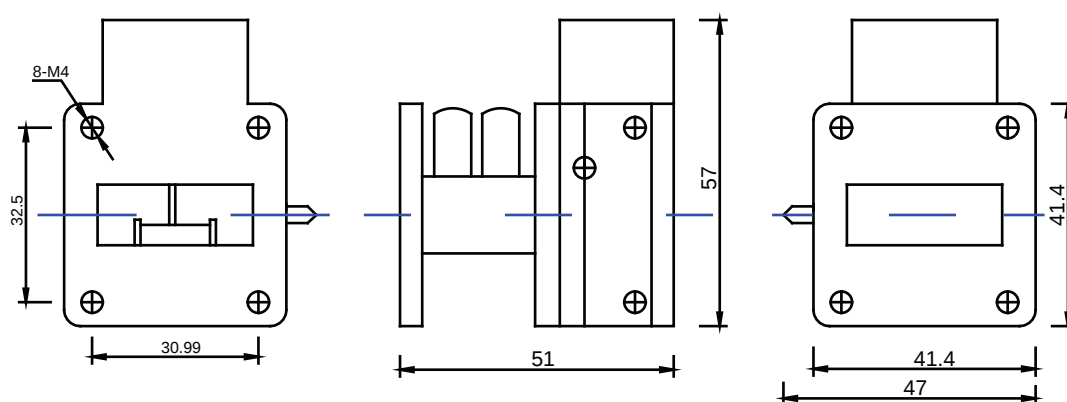
Parameter	Min	Typical	Max	Units
Frequency Range	9		10	GHz
Peak Power handling			300	Watt
Average Power handling			25	Watt
insertion Loss			1.0	dB
Flatness Leakage			50	mW
Spike Leakage			2	Watt
VSWR Input/Output			1.4	Ratio
3dB recovery Time			5	Us

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	57*41.4*41.4	Max	Millimeter
Weight	800	Max	gram
RF Connectors Input	WR90		
RF Connectors output	WR90		

OUTLINE DRAWING(mm):**WL6****TEST DATA:**

S/N	Flatness leakage	Spike leakage	Recovery time	9GHz		9.5GHz		10GHz	
				VSWR	insetion loss	VSWR	insetion loss	VSWR	insetion loss
1	3mw	37mw	1us	1.25	0.55	1.2	0.38	1.07	0.63
2	4mw	40mw	1us	1.21	0.6	1.14	0.55	1.25	0.4
3	3mw	28mw	0.9us	1.29	0.58	1.23	0.35	1.27	0.4
4	4mw	48mw	0.9us	1.18	0.4	1.2	0.3	1.25	0.5
5	3mw	37mw	0.9us	1.25	0.55	1.25	0.38	1.26	0.4
6	2mw	25mw	0.9us	1.25	0.55	1.25	0.38	1.26	0.4