



WAVEGUIDE HIGH POWER LIMITER MLT090098H020K

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		9.8	GHz
Peak Power handling			2	KW
Overload Power handling			25	KW
Pulse Width			10	Us
duty Cycle			5	%
insertion Loss			1.0	dB
Flatness Leakage			50	mW
Spike Leakage			2	Watt
VSWR Input/Output			1.4	Ratio
recovery Time		0.5us@0.5us pulse , 10us@10us pulse		

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

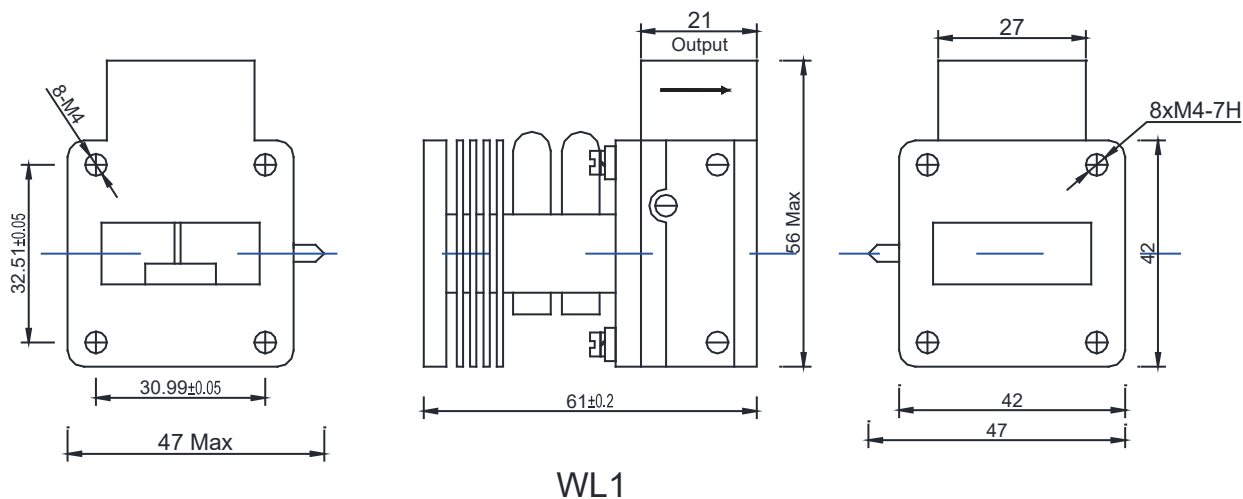
MECHANICAL SPECIFICATIONS:

Parameter	Value	Limits	Units
Dimensions	61*56*42	Max	Millimeter
Weight	300	Max	gram
RF Connectors Input	WR90		
RF Connectors output	WR90		



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OUTLINE DRAWING(mm):



TEST DATA:

High power test: Frequency : (9.0, 9.4, 9.8)GHz; Peak Power ≥ 8 W; Pulse Width: 1 μ s; Duty Cycle: 0.1%

Spike Leakage(mW)			Flatness Leakage (mW)			Recovery Time -3dB (μ s)		
9.0G	9.4G	9.8G	9.0G	9.4G	9.8G	9.0G	9.4G	9.8G
33	31	31	11	10	8	0.4	0.4	0.4