



WAVEGUIDE HIGH POWER LIMITER MLT086095H020K

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	8.6		9.5	GHz
Transmitter Power			2	KW
Pulse Width			300	µs
Duty Cycle			20	%
Insertion Loss			1	dB
Flatness Leakage			10	dBm
Spike Leakage			15	dBm
VSWR			1.3:1	Ratio
recovery Time			0.8	µs

Note:Type:TRD.

ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Operating temperature	-20		+65	°C
Non-operating Temperature	-55		+125	°C
Relative humidily(non-condensing)	-95		98	%
Altitude (MIL-STD_810F)	10000		30000	feet
Shock/Vibration(MIL-Std_810F)		Airbone		
Pressurization	30			Psig

MECHANICAL SPECIFICATIONS:

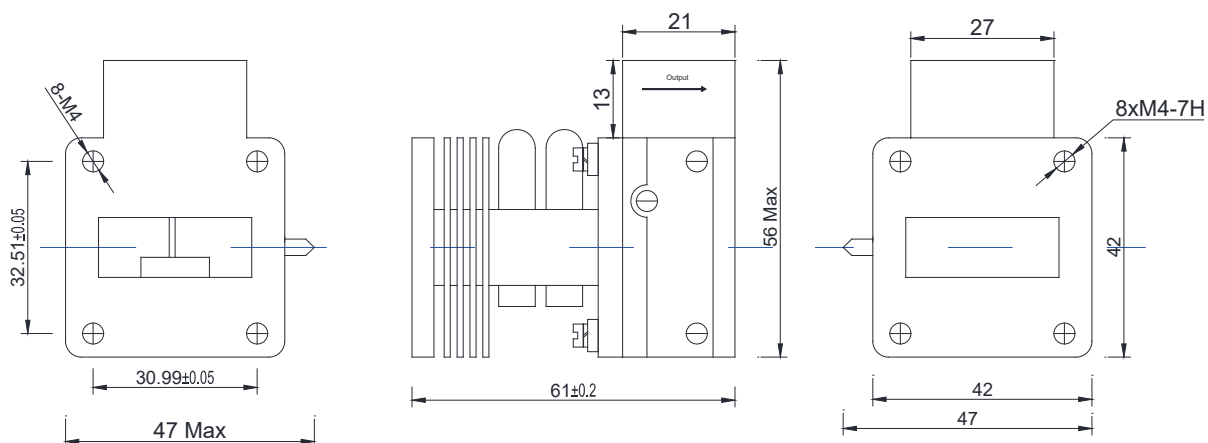
Parameter	Value	Limits	Units
Dimensions	61*56*42	Max	Millimeter
Weight	300	Max	gram
RF Connectors Input	WR90		
RF Connectors output	WR90		



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OUTLINE DRAWING(mm):



WL1

TEST DATA:

High power test: Frequency : (8.6, 9.0, 9.5) GHz; Peak Power ≥ 8 KW; Pulse Width: 1 μ s; Duty Cycle: 0.1%

Spike Leakage(mW)			Flatness Leakage (mW)			Recovery Time -3dB (us)		
8.6G	9.0G	9.6G	8.6G	9.0G	9.6G	8.6G	9.0G	9.6G
26	20	25	8	6	6	0.6	0.5	0.6