



WAVEGUIDE HIGH POWER LIMITER MLT095099H020K

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	9.55		9.95	GHz
Peak Power handling			2	KW
Pulse Width			130	Us
duty Cycle			10	%
insertion Loss			0.8	dB
Flatness Leakage			40	mW
Spike Leakage			2	Watt
VSWR			1.25:1	Ratio
recovery Time			0.6	us

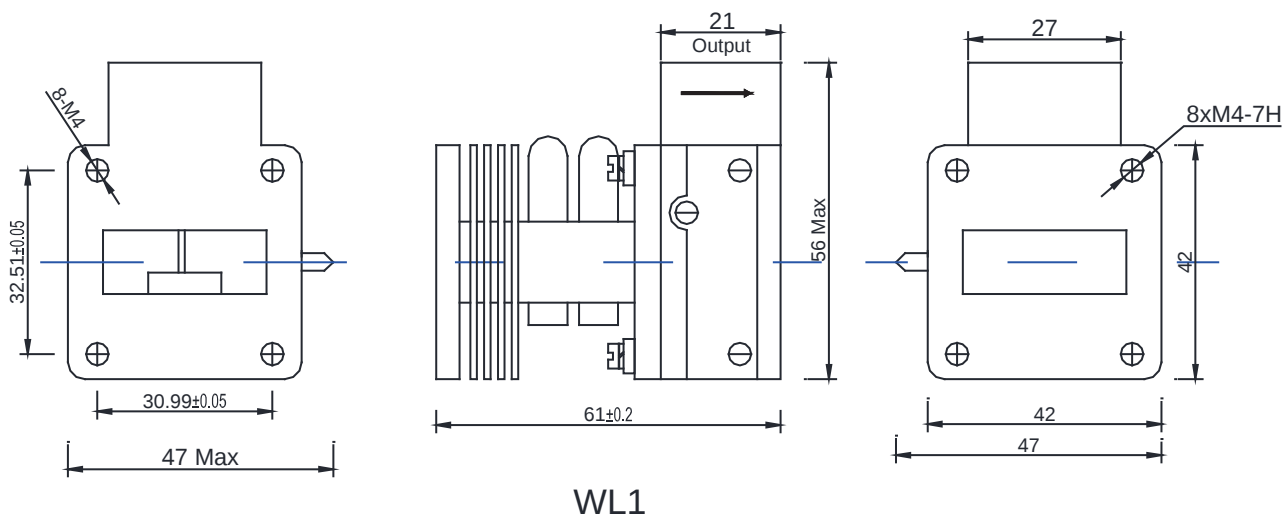
Note:Type:TRL.

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	BJ-100		
RF Connectors output	BJ-100		

OUTLINE DRAWING(mm):**TEST DATA:****1.Low power**

Test condition:F(9.55~9.92)GHz,Power:1mW CW			
Frequency Range	9.55GHz	9.75GHz	9.95GHz
VSWR	1.22	1.15	1.14
Insertion Loss	0.6dB	0.58dB	0.58dB

2.High power

Test condition:F(9.55~9.92)GHz; Peak Power≥180W;Pulse Width:130us; duty Cycle:10.4%			
Frequency Range	9.55GHz	9.75GHz	9.95GHz
Peak Power	22mW	14mW	13mW
Flatness Power	12mW	6mW	6mW
Recovery Time -3dB	0.4us	0.45us	0.47us