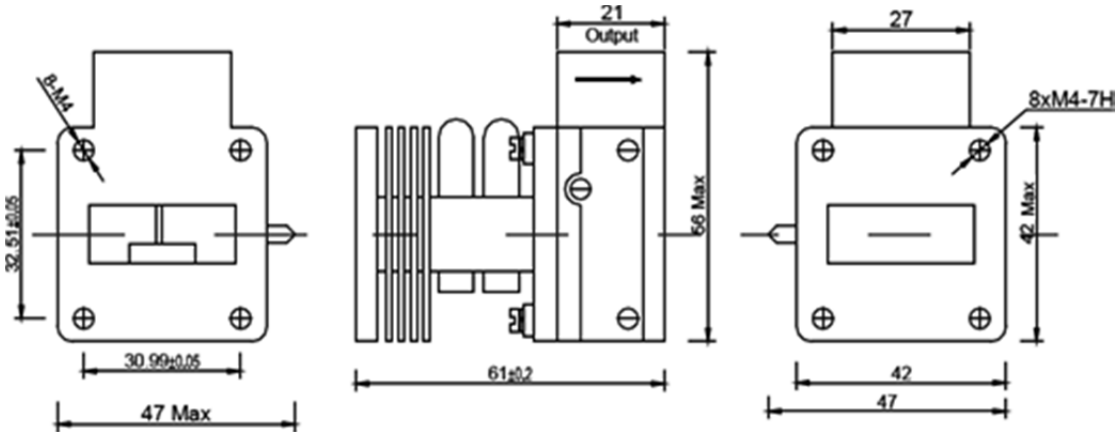
Waveguide Limiter, 9.2-10.2 GHz

WR90 Package, 12 Kilowatts Peak



Units: mm
Not to scale

Order Examples: **RLIM-9.2-10.2-WR90-12kW-Pk-r12**
Description: *(Waveguide Limiter, 9.2-10.2 GHz, WR90 Package, 12 Kilowatts Peak)*

ELECTRICAL SPECIFICATIONS @25°C:		
Parameter		**Units**
Frequency range	**9.2-10.2**	GHz
Peak Power (Fault condition)	30	KW max
Peak Power (Normal condition)	12	KW max
Duty Cycle	4	% max
Insertion loss	0.8	dB max
Flatness Leakage	+10	dBm max
Spike Leakage	+17	dBm max
VSWR Input/ Output	1.4	Ratio max
3dB Recovery Time	3	µs max
Pulse Width	16	ms max

Note :
1) 0.1 erg Energy max
2) Phase Matching: ±15 deg

ENVIROMENTAL RATINGS:		
Parameter		**Units**
Operating Temperature	-20 to +75	°C
Non-Operating Temperature	-45 to +125	°C
High/ Low Temperature	Meet MIL-STD-810F test method, method 502, process II	
Relative humidity (non-condensing)	-95 to +98	%
Altitude (MIL-STD_810F)	10000 – 30000	feet
amplitude and duration	as 20g, 11 milliseconds of terminal sawtooth wave-form	
Shock/ (MIL-Std_810F)	20G, 11ms	
Vibration (MIL-Std_810F)	6.0 grms, 3 Axial Meet MIL-STD-810F test method method 514, process I	
Pressurization	30	Psig min

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The equipment shall be comply with the shock requirements, the amplitude and duration shall be specified as 20g, 11 milliseconds of terminal sawtooth wave-form

The equipment undergoing test shall be subjected to one time in both directions along each of the three orthogonal axes (total of 6 shocks).

Meet MIL-STD-810F test method, method 516, procedure I.

MECHANICAL SPECIFICATIONS:		
Parameter		**Units**
Dimensions	61x56x42	Millimeter
Weight	300	gram max
RF Connectors Input	WR90, UG136/U	
RF Connectors Output	WR90, UG136/U	
Finish Optional	Cust- RAL7045	

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