



WAVEGUIDE HIGH POWER LIMITER

MLT064070H500K

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	6.4		7.07	GHz
Pulse Power			50	KW
Pulse Width			20	Us
duty Cycle			4.5	%
Insertion Loss			1	dB
Flatness Leakage			40	mW
Spike Leakage			2	Watt
VSWR			1.4:1	Ratio
recovery Time(-3dB)			2	Us

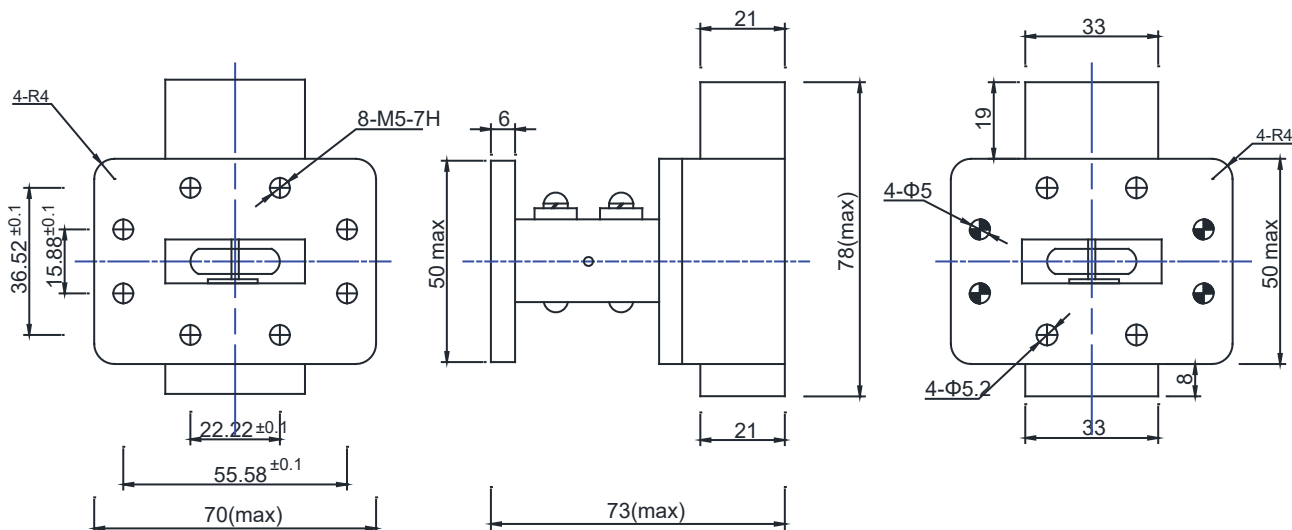
ENVIRONMENTAL RATINGS:

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	73*70*78	Max	Millimeter
Weight	700	Max	gram
RF Connectors Input	BJ-70		
RF Connectors output	BJ-70		

OUTLINE DRAWING(mm):



WL2

TEST DATA:

VSWR (≤ 1.4)	Insertion Loss ($\leq 1\text{dB}$)	Spike Leakage ($\leq 2000\text{mW}$)	Flatness Leakage ($\leq 40\text{mW}$)	Recovery Time ($\leq 2\mu\text{s}$)
1.32	0.52	17	5	0.4

