

Double Ridge Waveguide to Coaxial Adapter 6.5-7.5GHz



Features

- Full band operation
- Low VSWR
- Rugged mechanical configuration

Typical Applications

- Transceivers
- Test setups
- Instrumentation
- Subsystems

Electrical Specifications, TA=25°C

Parameters	Min	Typ	Max	Units
FREQ RANGE	6.5		7.5	GHz
VSWR			1.5	
Insertion Loss	0.5			dB
Waveguide	WRD650			
Average Power	300			(W)

Reliability Test Matrix

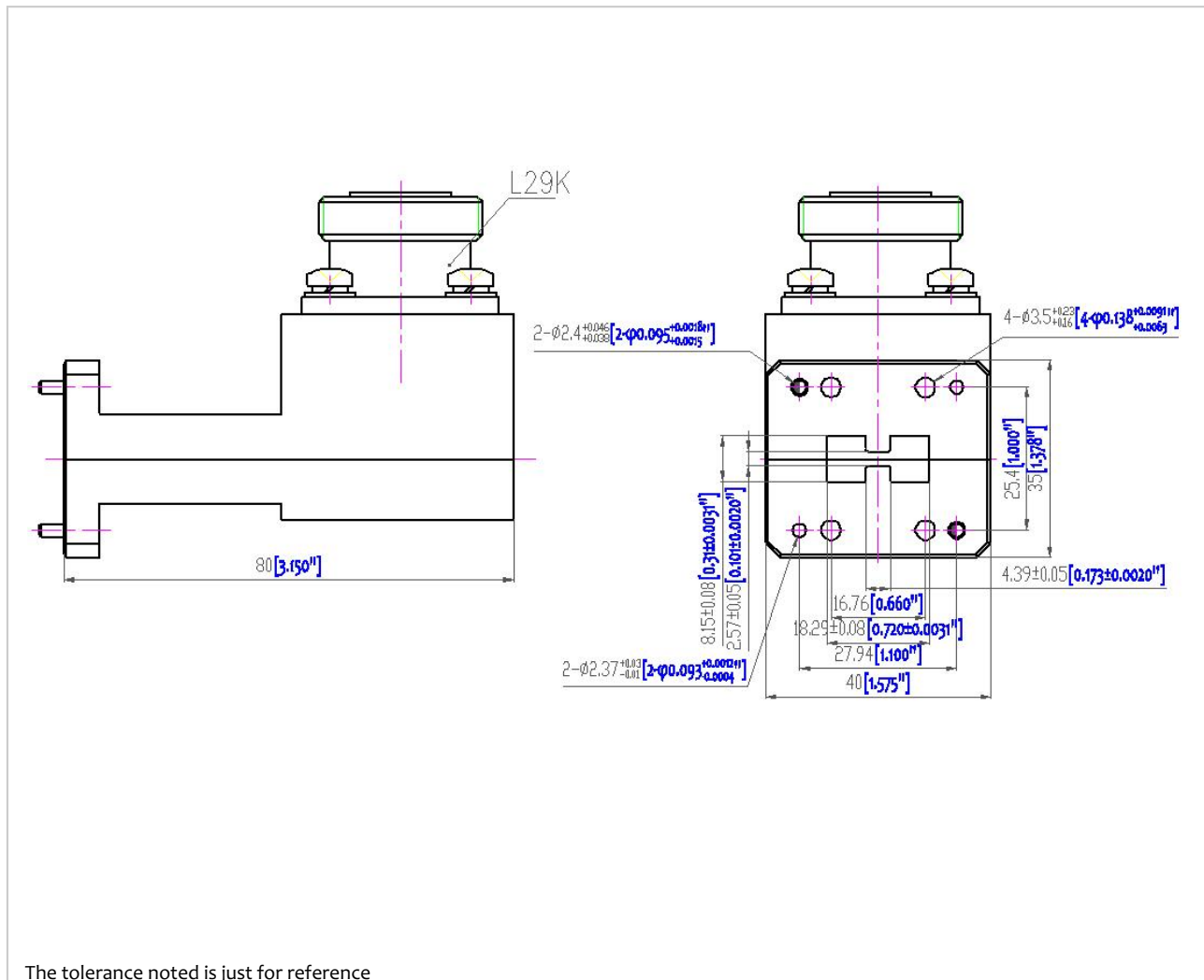
Item	Standard	Description
Operation Temperature	MIL-STD-39016	-45°C~+85°C
Storage Temperature		-55°C~+125°C
Thermal Shock		1 Hour. -45°C; 1 Hour +85°C, 5 Cycles
Random Vibration		acceleration Spectrum Density 6 (m/s), Total Root mean square root 92.6
Electrical & Temperature Burn In		Temperature +85°C 72 Hours
Shocking		1.Weight>20g, 50g half Sine wave for 11ms, Speed variation 3.44m/s 2.Weight≤20g, 100g Half Sine wave for 6ms, Speed variation 3.75m/s 3.6 Shocking Direction, 3 times each direction. Total 18 times.
Altitude		Standard Part: 30,000 Ft (Epoxy Sealed Controlled Environment) Hermetically Sealed Part (Optional) 60,000 Ft 1.0 PSI min
Hermetical Seal(Optional)	MIL-STD-883	MIL-STD-883(For Hermetical Seal Unit Only)

VSWR:



Outline Drawing:

All Dimensions in mm [inches]



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