



Low-Frequency Coaxial Limiters

2691 Series

Features

- .001 to 2.0 GHz Frequency Coverage
- Low Insertion Loss
- 5 Watts CW
- Removable SMA Connectors

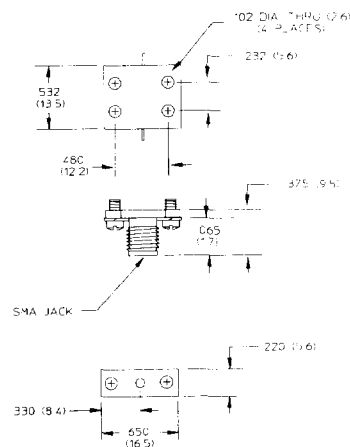
Description

M/A-COM's low frequency limiters offer circuit protection up to 5 watts CW and, due to an innovative design, feature small overall size. Equipped with field replaceable SMA connectors, they may be utilized as a connectorized or drop-in package. These devices may be tested with connectors, eliminating costly fixturing, and then mounted in a stripline circuit.

Environmental

These devices are designed to meet the following screening conditions:

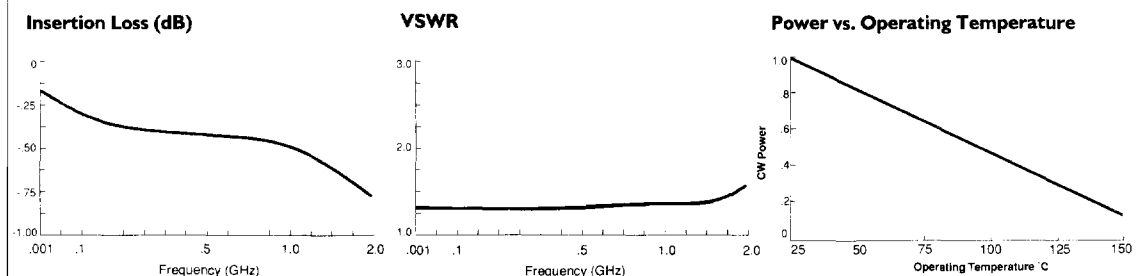
Test	MIL-STD	Method	Cond	
Non-Destructive Bond Pull	883	2023		
Internal Visual	883	2017		
Stabilization Bake	883	1008	B	
Thermal Cycle	883	1010	B	
Constant Acceleration	883	2001	A (YI Axis)	
Burn-in	883	1015	125°C	
Seal	Fine	883	1014	A1
	Gross	883	1014	C1
External Visual	883	2009		



Maximum Ratings

Storage Temp.	-65°C to +125°C
Operating Temp.	-55°C to +85°C

Typical Performance Data



Specifications Subject to Change Without Notice.

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Specifications 25°C

Frequency Range (GHz)	Insertion Loss (dB)	VSWR	CW Power (W)	Leakage Power (mW)	Part Number
.001-.1	0.5	1.3:1	5	50	2691-2001
.1-.5	0.6	1.3:1	5	100	2691-2002
.5-1.0	0.6	1.4:1	5	100	2691-2003
1.0-2.0	0.8	1.5:1	5	100	2691-2004

Notes:

1. Insertion loss and VSWR measured at 0 dBm input power.
2. 1 dB compression: +7 dBm min.

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