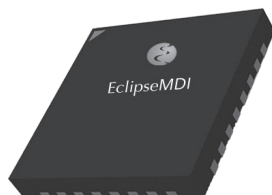


ESL2040QFN4 Pin-Schottky Diode Limiter

2.0-4.0 GHz 2W Limiter



Applications

General Purpose power protection

Ideal for commercial and industrial applications

Product Features

Power Handling: 1 watt CW

Internal DC Block

Broadband frequency response

Low cost QFN 4mm leadless RoHS compliant/Hermetically Sealed

Excellent VSWR

Maximum Ratings

Storage Temperature [deg. °] -65-° to +125-°C

Operating Temperature [deg. °] -65-° to +95-°C

Maximum Input Power 2W CW, 100W peak

Specifications @ [° C] +25° C

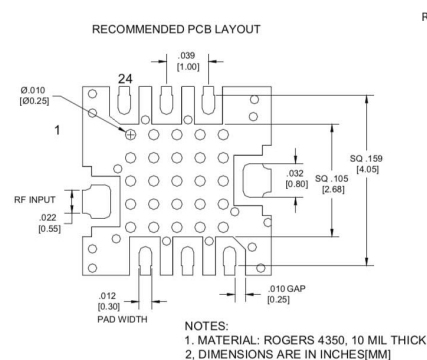
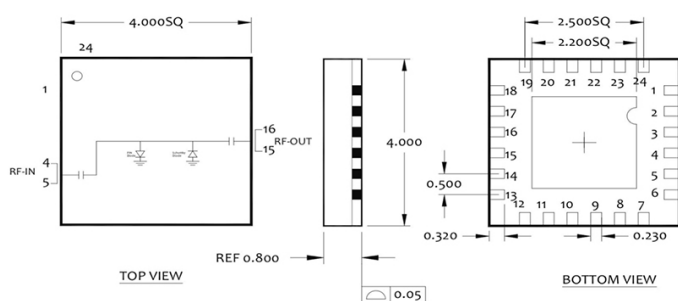
Electrical Specifications @ +25°C

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Insertion Loss	2.0 to 4.0		0.8	1.0	dB
VSWR	2.0 to 4.0		1.8:1	2.0:1	
Leakage Power	2.0 to 4.0		16	20	dBm
Limiting Threshold	2.0 to 4.0		6.0		dBm
CW Power Handling			1.0	2.0	dBm
Operating Temperature		-25		90	° C

NOTES:

1. Typical values are measured at +25-° C
2. Pins 4&5 RF Input, Pins 15&16 RF Output

QFN 4mm Outline Drawing



About EclipseMDI

ECLIPSE Microdevices is located in San Jose, California. ECLIPSE has been developing high performance analog semiconductors for use in wireless radio frequency (RF), microwave, and millimeter wave for commercial and industrial applications. ECLIPSE has formed a strategic alliances - with foundries that features leading state-of-the-art process technologies and with manufacturing facilities for high-volume production of innovative RFIC's.

Product Export Classification
ECCN: EAR 99 (NLR)
HTS: 8542.33.0001



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www.eclipseMDI.com

1.408.526.1100

EclipseMDI

sales@eclipsemdi.com