

# ESL0580QFN4

Pin-Schottky Diode Limiter  
0.5 to 8.0 GHz



## Technical Characteristics

Product Features	
Power Handling:	1 Watt CW
Internal DC block	
Broadband frequency response	
Low cost QFN 4mm leadless RoHS compliant package	
Hermetically sealed	
Excellent VSWR	

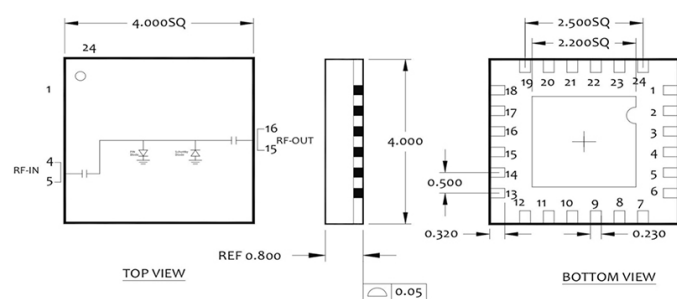
Applications
General purpose power protection
Ideal for commercial and industrial applications

Storage Temperature:	-65 to +125°
Operating Temperature:	-45 to +95°
Maximum input power:	1 Watt CW
Specifications @ [°C]	+25° C

## Electrical Specifications

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Insertion Loss	0.5 to 8.0 GHz		0.8	1.8	dB
VSWR	0.5 to 8.0 GHz		1.25:1	2.2:1	
Leakage Power (CW)	0.5 to 8.0 GHz		14.0	16.0	dBm
Limiting Threshold	0.5 to 8.0 GHz		6.0		dBm
CW Power Handling			1.0	2.0	watts
Operating Temperature		-25		90	C°

## QFN 4mm Outline Drawing



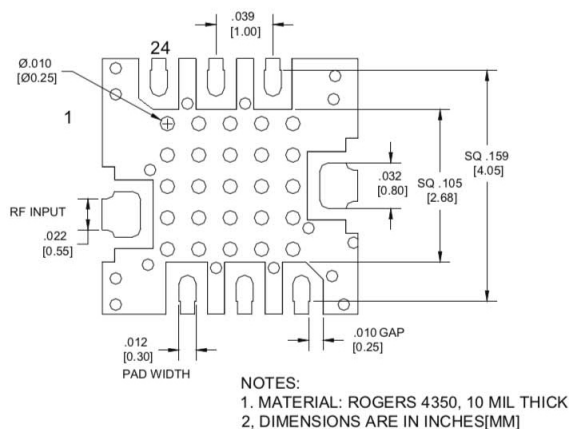
### NOTES:

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

### 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.

### RECOMMENDED PCB LAYOUT



### Product Export Classification

ECCN: EAR 99 (unless otherwise specified)  
HTS: 8542330000

