

# 2W, Limiter

## Pin-Schottky Diode, QFN4mm

### 0.5 to 8 GHz

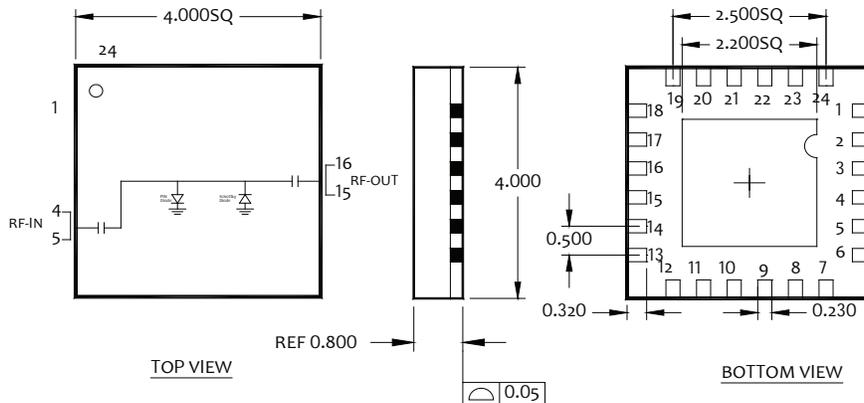
## ESL0580-QFN4

### Typical Applications

- †† General Purpose Power Protection
- †† Commercial and Industrial Application

### FEATURES

- ◇ Power Handling: 2 Watt CW  
100 Watts Peak  
(1 usec Pulse Width, 0.1% Duty Cycle  
Derated to 10% @ +125 °C)
- ◇ Internal DC Block
- ◇ Broadband Frequency Response
- ◇ Low Cost QFN 4mm leadless RoHS  
Compliant package
- ◇ Hermetically Sealed
- ◇ Excellent VSWR



### ABOLUTE MAXIMUM RATING

Max Input Power:	100W Peak 2 CW
Operating Temperature:	-45°C to +95°C
Storage Temperature:	-65°C to +125°C

Parameters	SPECIFICATION				Units
	FREQ. (MHz)	MIN	TYPICAL	MAX	
Insertion Loss	500 to 8000		0.8	1.8	dB
VSWR	500 to 8000		1.25:1	2.2:1	
Leakage Power (CW)	500 to 8000		+14	+16	dBm
Limiting Threshold	500 to 8000		+6		dBm
Peak Power Handling (1µsec Pulse Width, 0.1% Duty Cycle, Derated to 20% @ +125°C)	500 to 8000			100	Watts
CW Power Handling			1	2	Watt
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

LIMITER || Pin-Schottky Diode

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LIMITERS || Pin-Schottky Diode

