

ESL7585A2 Pin-Schottky Diode Limiter

7.5-8.5 GHz Narrow Band



Technical Characteristics

Product Features

Power Handling: 1 watt CW, 100W peak power
 (1 usec Pulse Width, 0.1% Duty Cycle Derated to 20% @ +125 °C)
 Internal DC block
 Fast recovery time - 200 uSec typ.
 Limiting threshold above +4dBm typ. & low typical output leakage
 Low insertion loss

Maximum Ratings

Storage Temperature.....-65° to +125°C
 Operating Temperature.....-55° to +90°C
 Max Input Power.....+2 watts CW, 100 watts peak

Product Export Classification

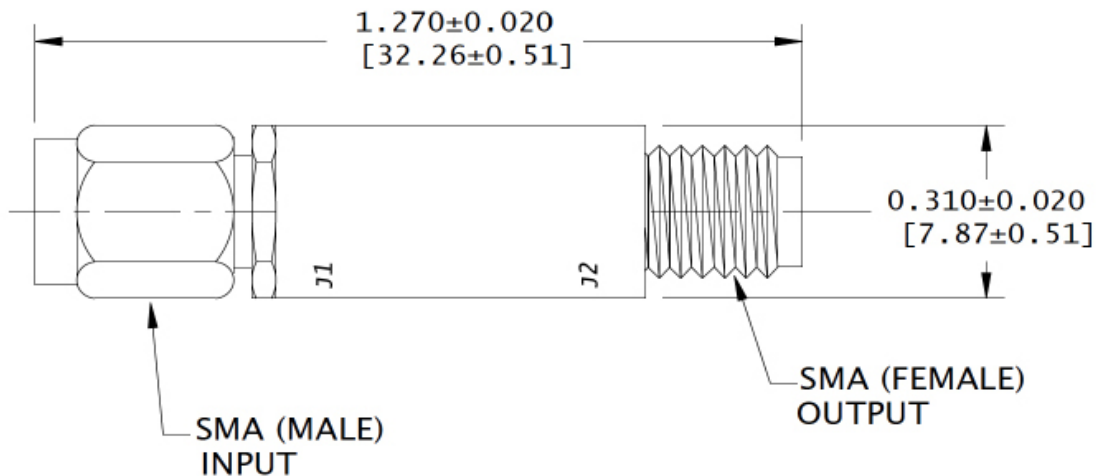
ECCN: EAR 99 (unless otherwise specified)
 HTS: 85543.70.8000

Specifications @ +25°C & -10 dBm input power.

Electrical Specifications

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Insertion Loss	7.5 to 8.5		1.2		dB
VSWR	7.5 to 8.5		1.6:1		-
Leakage Power (CW)	7.5 to 8.5			+16	dBm CW
				+17	dBm Peak
Operating Temperature		-55		+90	°C

Outline drawing



Notes:

1. Limiter has an internal DC block.
2. Typical values are measured at +25°C and are not guaranteed.