



PIN DIODE LIMITERS

VERY HIGH FREQUENCY LP SERIES

1W CW, 1 – 40 GHz

FEATURES

- Very High Frequency Wide Band
- 1 Watt CW Power Handling Capability
- Fast Response & Short Recovery Time (10 nsec typical)
- Hermetically Sealed Module



APPLICATIONS

- Power Leveling
- Receiver Protection

ENVIRONMENTAL RATINGS

Max Input Power ².....1 Watt CW
Operating Temperature Range.....-55°C to +125°C
Storage Temperature Range.....-65°C to +125°C
Shock..... 50G, 11 msec
Vibration..... 20G, 100 to 2000 Hz

Specifications: (@ +25°C)

MODEL	FREQUENCY RANGE (GHz)	MAXIMUM ¹ INSERTION LOSS (dB)	MAX ¹ VSWR	TYP LIM THRESHOLD (dBm)	MAX LEAKAGE ² @ 1W CW INPUT (dBm)	PACKAGE STYLE
LP1-26A	1 - 26	3.5	2.1	+9	+20	B, L
LP2-26A	2 - 26	3.5	2.1	+9	+20	B, L
LP18-26A	18 - 26	3.0	2.1	+9	+19	B, L
LP18-40A	18 - 40	4.0	2.1	+9	+19	0B-1
LP1-40A	1 - 40	4.5	2.1	+9	+20	0B-1
LP2-40A	2 - 40	4.5	2.1	+9	+20	0B-1
LP26-40A	26 - 40	4.0	2.1	+9	+19	0B-1

Note 1: Insertion loss and VSWR tested @ - 10dBm

Note 2: Power rating derated to 20% @ +125°C.

Consult factory for higher power limiters up to 200 Watt CW or 1000 Watt peak

For Package Outlines see Outline Drawings Pages