

FEATURES

- High power protection 100W CW and 1KW peak (1 Microsec pulse width).
- Very low leakage level (+10dBm typical).
- Low Insertion Loss and VSWR.
- Ideal for Radar Application.
- Fast recovery time, 1 Microsec typical.
- Built-in DC block @ input and output.
- Hermetically sealed module

**APPLICATIONS**

- Front End Protection for LNA's
- Receiver Protection
- Lab Use

ENVIRONMENTAL RATINGS

Max Input Power..... 100 Watt CW
 & 1KW Peak (μsec) Power Handling Capability
 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	FREQ. RANGE (MHz)	MAXIMUM ¹ INSERTION LOSS (dB)	MAX ¹ VSWR	TYP LIM ² THRESHOLD (dBm)	MAX ³ INPUT CW (Watt)	MAX ³ PEAK 1 μsec PULSE WIDTH (Watt)	TYPICAL LEAKAGE			PACKAGE STYLE
							@ 1 W CW INPUT (dBm)	@ 25 W CW INPUT (dBm)	@ 100 W CW INPUT (dBm)	
LS0812PP100A	8-12	2.0	2:1	+ 4	100	1000	+ 6	+ 10	+13	1E

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

Note 2: Limiting threshold level @ input power which makes insertion loss 1 dB higher than that @ - 10 dBm.

Note 3: Handling capability, 100W CW, 1 KW peak (1 μsec pulse width, 0.1% duty) derated to 20% @+125 °C.

For Package Outlines see Outline Drawings Page