

# X - BAND HIGH POWER LIMITER

## 8-12 GHz, 100 Watt CW, 1 KW Peak



- High power protection 100W CW and 1 KW peak (1 Microsec pulse width).
- Very low leakage level (+10 dBm 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.



### Typical Performance @ + 25 Deg. C (Preliminary)

MODEL	FREQ. RANGE (GHz)	MAXIMUM <sup>1</sup> INSERTION LOSS (dB)	MAX <sup>1</sup> VSWR	TYP LIM <sup>2</sup> THRESHOLD (dBm)	MAX <sup>3</sup> INPUT CW (Watt)	MAX INPUT <sup>3</sup> PEAK PULSE WIDTH ( Watt)	TYPICAL LEAKAGE		
							@ 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

**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:** Power rating derated to 20% @ +125 Deg C.



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