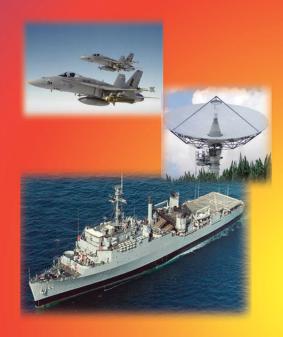
X - BAND HIGH POWER LIMITER

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 1 INSERTION LOSS (dB) | MAX ¹ VSWR | TYP LIM ² THRESHOLD (dBm) | MAX ³ INPUT CW (Watt) | MAX INPUT ³ PEAK 1 µsec PULSE WIDTH (Watt) | TYF @ 1 W CW INPUT (dBm) | PICAL LEAKAO @ 25 W CW INPUT (dBm) | GE @ 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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