

HIGH Limiting Threshold LIMITERS with Various Threshold Levels

Broad Band 100 MHz-6 GHz up to 4W CW Input



- Various models for threshold levels +10, +15, +20, +25 and +30 dBm (Input)
- High input dynamic ranges up to 4 W (+36 dBm) CW input.
- Hard limiting level (flat leakage) typically only 2 ~ 3 dB above threshold level.
- Provide high linear dynamic range leak through (up to +30 dBm).
- Fast response time, 10 nsec or less typical.
- Built-in DC block @ input and output.
- Hermetically sealed module.



Typical Performance @ + 25 Deg. C (Preliminary)

| MODEL | FREQUENCY RANGE (GHz) | MAXIMUM INSERTION LOSS (dB) | MAX VSWR | TYP LIM THRESHOLD LEVEL (dBm) | MAX INPUT POWER WATT (dBm) | MAX LEAKAGE POWER AT 4 W INPUT (dBm) | TYPICAL RECOVERY TIME (nsec) |
|-------------|-----------------------|-----------------------------|----------|-------------------------------|----------------------------|--------------------------------------|-------------------------------|
| LS0160TH10A | 0.1 – 6.0 | 1.0 | 1.5:1 | +10 | 2W (+33) | +22 | 10 |
| LS0160TH15A | | | | +15 | 4W (+36) | +24 | |
| LS0160TH20A | | | | +20 | 4W (+36) | +24 | |
| LS0160TH25A | | | | +25 | 4W (+36) | +27 | |
| LS0160TH30A | | | | +30 | 4W (+36) | +32 | |

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

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



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