

HIGH Limiting Threshold LIMITERS with Various Threshold Levels

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

New



- 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.

Herotek

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