



LIMITERS, VERY LOW LEAKAGE LEVEL

Leakage Level as Low as -10 dBm

0.01 – 18 GHz

FEATURES

- Options for Leakage Levels -10 dBm, -5 dBm, 0dBm, +5 dBm
- Leakage levels for input up to 1W CW.
- Low power consumption (+5V, 5 mA Typical).
- Ideal for LNA protection
- Hermetically Sealed Module.
- Removable connectors for circuit board assembly.



APPLICATIONS

- Receiver Protection
- Power Leveling (Limiting)

ENVIRONMENTAL RATINGS

Max Input Power..... 1 Watt CW &
 100 Watt 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	FREQUENCY RANGE	MAXIMUM INSERTION LOSS (dB)	MAX VSWR	NOMINAL ² LEAKAGE LEVEL (dBm)	TYPICAL ² LEAKAGE LEVEL (dBm)	TYPICAL ³ THRESHOLD LEVEL (dBm)	PACKAGE STYLE
LL00110-1 LL00110-2 LL00110-3 LL00110-4	10 MHz – 1.0 GHz	0.5	1.3:1	- 10 - 5 0 + 5	- - - -	- 11 - 6 - 1 + 4	2A
LL0120-1 LL0120-2 LL0120-3 LL0120-4	100 MHz – 2 GHz	0.7	1.4:1	- 10 - 5 0 + 5	- - - -	- 11 - 6 - 1 + 4	2A
LL2018-1 LL2018-2 LL2018-3	2 GHz – 18 GHz	4	2.0:1	- - -	-10 TO -5 -5 TO 0 0 TO +5	- 10 - 5 0	1D

Note 1: DC Supply required: +5V, 5 mA typical.
 Note 2: Typical and nominal leakage levels for input up to 1W CW.
 Note 3: Threshold level is the input power level when output power is 1 dB compressed.

Consult factory for higher power limiters (up to 25 Watt CW or 1 KWatt pulse peak power)

For Package Outlines see Outline Drawings Page