

FEATURES

- Frequency range down to very low frequency (10 MHz).
- Available single unit covering 10MHz to 3 GHz (LS00130P100A)
- Low Insertion Loss and VSWR
- 100 Watt CW and 1000 Watt Peak (1 microsec pulse width) power
- Built-In DC Block @ Input and Output
- Hermetically Sealed Module



APPLICATIONS

- Front End Protection for LNA's
- Receiver Protection
- Lab Use

ENVIRONMENTAL RATINGS

Max Input Power.....100 Watt CW
 & 1KW 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	FREQ. RANGE (MHz)	MAXIMUM ¹ INSERTION LOSS (dB)	MAX ¹ VSWR	TYP LIM ² THRESHOLD (dBm)	MAX ³ INPUT CW (Watt)	MAX ³ PEAK 1 μsec PULSE WIDTH (Watt)	TYPICAL LEAKAGE			PACKAGE STYLE
							@ 1 W CW INPUT (dBm)	@ 25 W CW INPUT (dBm)	@ 100 W CW INPUT (dBm)	
LS00105P100A	10 - 500	0.4	1.3:1	+ 6	100	1000	+ 14	+ 18	+ 20	3E
LS00110P100A	10 - 1000	0.6	1.5:1	+ 6	100	1000	+ 14	+ 18	+ 20	3E
LS00120P100A	10 - 2000	0.8	1.7:1	+ 6	100	1000	+ 14	+ 18	+ 20	3E
LS00130P100A	10 - 3000	1.0	2:1	+ 6	100	1000	+ 14	+ 18	+ 20	3E

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 Handling capability, 100W CW, 1 KW peak (1 μsec pulse width, 0.1% duty) derated to 20% @+125 °C.

Note 4: Leakage slightly higher at frequencies below 100MHz

For Package Outlines see Outline Drawings Page