

PIN DIODE LIMITERS

EXTREMELY LOW FREQUENCY LS SERIES 1 Watt CW, 100 KHz - 3000 MHz



- Frequency range down to 100 KHz (usable to 45 KHz)
- Available single unit covering 100 KHz to 3 GHz (LS0000130A)
- Extremely low insertion loss and VSWR
- 1 Watt CW and 200 Watt Peak (1 Microsec) power handling capability
- Built-in DC block @ input and output
- Hermetically sealed module



Typical Performance @ + 25 Deg. C (Preliminary)

MODEL	FREQUENCY RANGE	MAXIMUM ³ INSERTION LOSS (dB)	MAX ³ VSWR	TYP LIM THRESHOLD (dBm)	MAX LEAKAGE ⁴ @ 1W CW INPUT (dBm)	PACKAGE STYLE
LS0000101A	100 KHz - 100 MHz	0.15	1.10:1	+6	+16	C
LS0000105A	100 KHz - 500 MHz	0.30	1.10:1		+14	C
LS0000110A	100 KHz - 1000 MHz	0.40	1.20:1		+14	C
LS0000120A	100 KHz - 2000 MHz	0.50	1.30:1		+14	C
LS0000130A	100 KHz - 3000 MHz	0.60	1.30:1		+14	C
LS000101A	1.0 - 100 MHz	0.15	1.10:1	+6	+16	C
LS000105A	1.0 - 500 MHz	0.30	1.10:1		+14	C
LS000110A	1.0 - 1000 MHz	0.40	1.10:1		+14	C
LS000120A	1.0 - 2000 MHz	0.50	1.15:1		+14	C
LS000130A	1.0 - 3000 MHz	0.60	1.20:1		+14	C

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

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

Note 3: Insertion loss and VSWR high below 800 KHz for LS 0000 Series; below 5 MHz for LS 000 Series.

Note 4: Leakage +16 dBm for frequencies below 100 MHz, +18 dBm typical for frequencies below 1 MHz.



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