

LC3005

5 TO 3000 MHz TO-8 CASCADABLE SIGNAL LIMITER

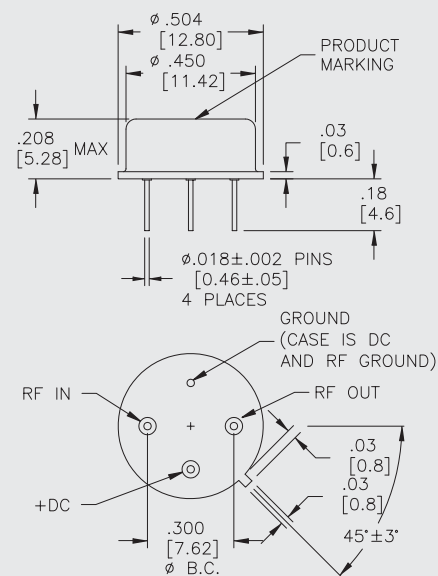
Typical Values

Low Insertion Loss	0.2 dB
Low VSWR	1.2:1
High CW Input Power	1 Watt
High Peak Power (2 μsec max.)	75 Watt
High Performance Thin Film	
Standard Size TO-8 Package	

LC3005

LC3005

TO-8 Package for Limiter



SPECIFICATIONS*

Parameter	Typical	Guaranteed	
		0 to 50° C	-55 to +85° C
Frequency (Min.)	5-3200 MHz	5-3000 MHz	5-3000 MHz
Insertion Loss (Max.)			
10 - 1500 MHz	0.2 dB	0.6 dB	0.8 dB
1500 - 3000 MHz	0.5 dB	1.0 dB	1.2 dB
Insertion Loss Flatness (Max.)	±0.5 dB	±0.8 dB	±1.0 dB
VSWR (Max.) Input/Output	1.2:1	1.5:1	1.6:1
Maximum Output Limiting Level @+30 dBm Input (dBm)	+15.0 dBm	+16.0 dBm	+17.0 dBm
No DC Voltage Required			

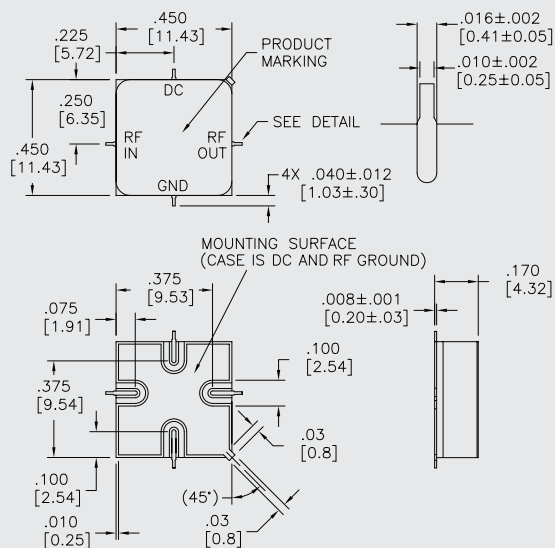
* Measured in a 50-ohm system. No DC voltage applied.

INTERMODULATION PERFORMANCE

Storage Temperature	-62 to 125° C
Maximum Case Temperature	+125° C
Maximum Continuous RF Input Power	1 Watt
Maximum Peak Power (3 μsec Max.)	50 Watt
Maximum Peak Power (2 μsec Max.)	75 Watt

LS3005

SMT0-8 Package for Limiters



DIMENSIONS ARE IN INCHES [MILLIMETERS]