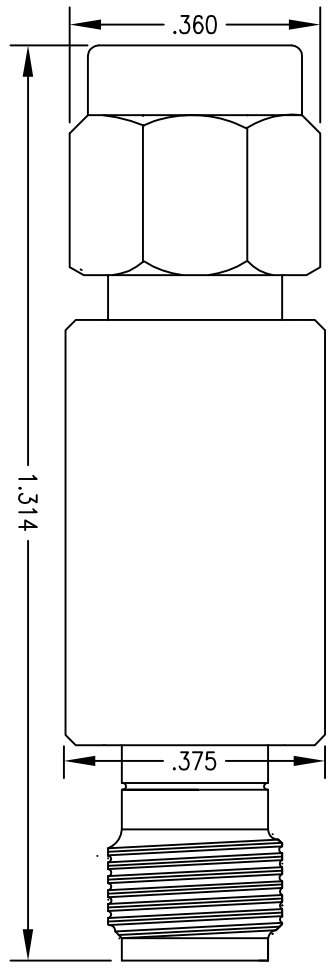


DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL LM-1M500-C3-1 IS A HIGH POWER LIMITER THAT WORKS FROM 1MHz TO 500 MHz. IT HANDLES 100 WATTS PEAK POWER HAVING A PULSE WIDTH OF 1uSEC AND A DUTY CYCLE OF 1% OR 2 WATTS CW. THE LEAKAGE POWER IS +13.5 dBm MAXIMUM.

REVISIONS		DESCRIPTION	DATE	APPROVED
ZONE	REV.	ORIGINAL RELEASE	12/16/09	
A				



SPECIFICATIONS:

- FREQUENCY:..... 1 TO 500 MHz
- INSERTION LOSS:..... 0.9 dB (MAX.)
- PEAK POWER:..... 100 WATTS, 1 usec PULSE WIDTH, 1% DUTY CYCLE OR 2 WATTS CW @ +25 C
- LEAKAGE POWER:..... +13.5 dBm MAX.
- VSWR:..... 1.5:1 (MAX.)
- DC BLOCKING:..... INPUT AND OUTPUT
- CONNECTORS:..... SMA MALE INPUT AND FEMALE OUTPUT
- SIZE:..... 1.314 X .375 X .375
- WEIGHT:..... < 1 OZ. TYPICAL

ENVIRONMENTAL RATINGS

- TEMPERATURE:..... -55°C TO +125°C (OPERATING) DERATE POWER HANDLING TO ZERO @ +125 C
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202F, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202F, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202F, METHOD 204B COND. B
- ALTITUDE:..... MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202F, METHOD 107D COND. A

CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES
FREDERICK, MARYLAND

PRODUCT FEATURE
LM-1M500-C3-1
HIGH POWER LIMITER

PART NO.	TITLE	DATE	SIZE	FSM NO.	DWG NO.	SHEET	REV.
	PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND		A	05X00	27011643	1	A
APPROVALS	DRAWN BY: <i>S. A. K. S. R.</i> CHECKED: <i>S. A. K. S. R.</i> ISSUED: <i>S. A. K. S. R.</i>						
	DATE: 01/14/10						

ALL DIMENSIONS ARE IN INCHES
TOLERANCES: .00010
X.XX
X.XXX
E0.005

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE DR REVISION