

DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL LM-1M500M-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.

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:..... 2.92MM MALE INPUT AND FEMALE OUTPUT
- SIZE:..... 1.314 X .375 X .375
- WEIGHT:..... <1 OZ. TYPICAL

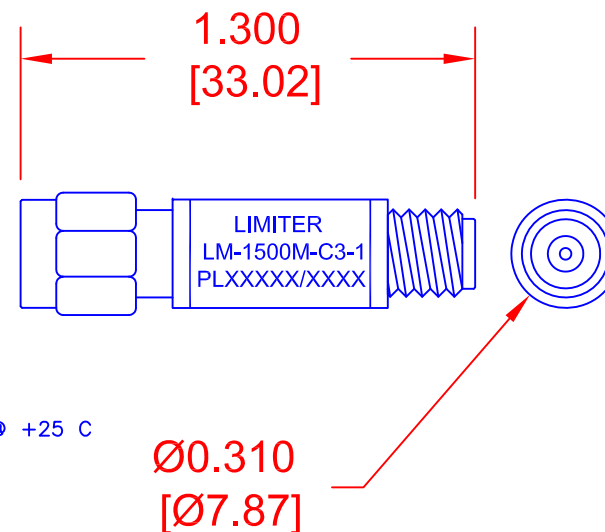
ENVIRONMENTAL RATINGS

- 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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	12/16/09	
	B1	ECN # 18-217	10/22/18	



CONFIDENTIAL AND PROPRIETARY

PART NO.		 PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE	
DRAWN <i>B. BAKER</i>	01/14/10	PRODUCT FEATURE LM-1M500M-C3-1 HIGH POWER LIMITER	
CHECKED		SIZE	FSCM NO.
ISSUED		A	05XQ0
		DWG NO.	27011643
		SCALE	N:S
		SHEET	1 of 1
		REV.	B1