

DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL LM-1M500M-C3-1-292FM IS A HIGH POWER LIMITER THAT WORKS FROM 1MHz TO 500 MHz. IT HANDLES 100 WATTS PEAK POWER HAVING A PULSE WIDTH OF 1 us 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.)
- POWER HANDLING: 2 W CW MAX
100 W PEAK MAX
(1 us PW, 1% DUTY CYCLE)
- LEAKAGE POWER: +13.5 dBm MAX.
- VSWR: 1.5:1 (MAX.)
- DC BLOCKING: INPUT AND OUTPUT
- CONNECTORS: 2.92 mm FEMALE INPUT AND MALE OUTPUT
- SIZE: 1.300" (L) X 0.310" (DIAMETER)
- WEIGHT: <1 OZ. TYPICAL
- FINISH ALBALOY PLATED

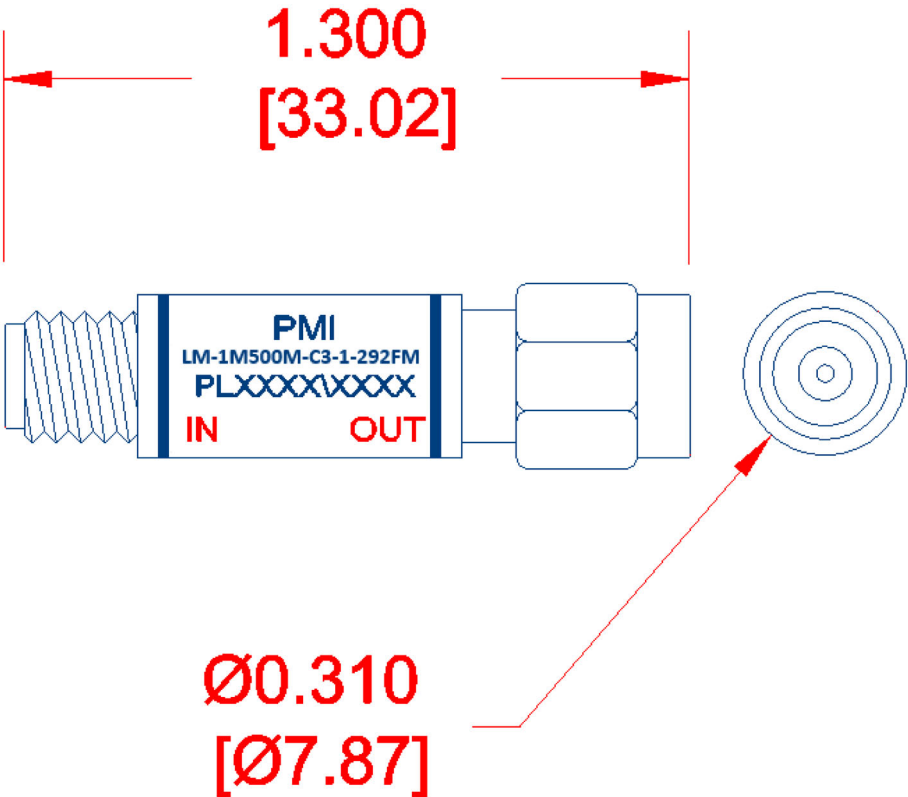
ENVIRONMENTAL RATINGS

- 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
	-	PRELIMINARY	3/19/25	



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE		SIZE		FSCM NO.		DWG NO.		REV.	
DRAWN		ASG		03/19/25		A		05XQ0		PRELIMINARY		-	
CHECKED													
ISSUED													
						SCALE		N:S				SHEET	
												1 of 1	