

DESCRIPTION

PMI MODEL: LM-32G36G-14-20W-SMT IS A HIGH POWER LIMITER CAPABLE OF WITHSTANDING AN INPUT POWER LEVEL OF 20 WATTS, 30 μ s PULSE WIDTH, 30% DUTY CYCLE. THIS MODEL OPERATES IN THE 32 GHz TO 36 GHz FREQUENCY RANGE. THE INSERTION LOSS IS 2.0 dB MAXIMUM, VSWR OF 2.0:1, AND 250 ns RESPONSE TIME. THIS LIMITER IS SUPPLIED MOUNTED IN A TEST FIXTURE.

SPECIFICATIONS

- * FREQUENCY RANGE: ----- 32 GHz TO 36 GHz
- * INSERTION LOSS: ----- 2.0 dB MAXIMUM
- * PEAK POWER: ----- 20 WATTS (43 dBm)
- * PULSE WIDTH: ----- 30 μ s
- * DUTY CYCLE: ----- 30%
- * LEAKAGE POWER: ----- +14 dBm TYPICAL
- * 1 dB RECOVERY TIME: ----- 250 ns MAXIMUM
- * VSWR: ----- 2.0:1
- * SIZE: ----- [L] 0.270" x [W] 0.198" x [H] 0.016" WITHOUT CARRIER
[L] 1.200" x [W] 0.698" x [H] 0.200" INSIDE TEST FIXTURE*

*TEST FIXTURE PROVIDED WITH THE UNIT

ENVIRONMENTAL RATINGS

- * TEMPERATURE: ----- -55 °C TO +85 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- * HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
- * SHOCK: ----- MIL-STD-202, METHOD 213B COND. B
- * VIBRATION: ----- MIL-STD-202, METHOD 204D COND. B
- * ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- * TEMPERATURE CYCLE: ----- MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

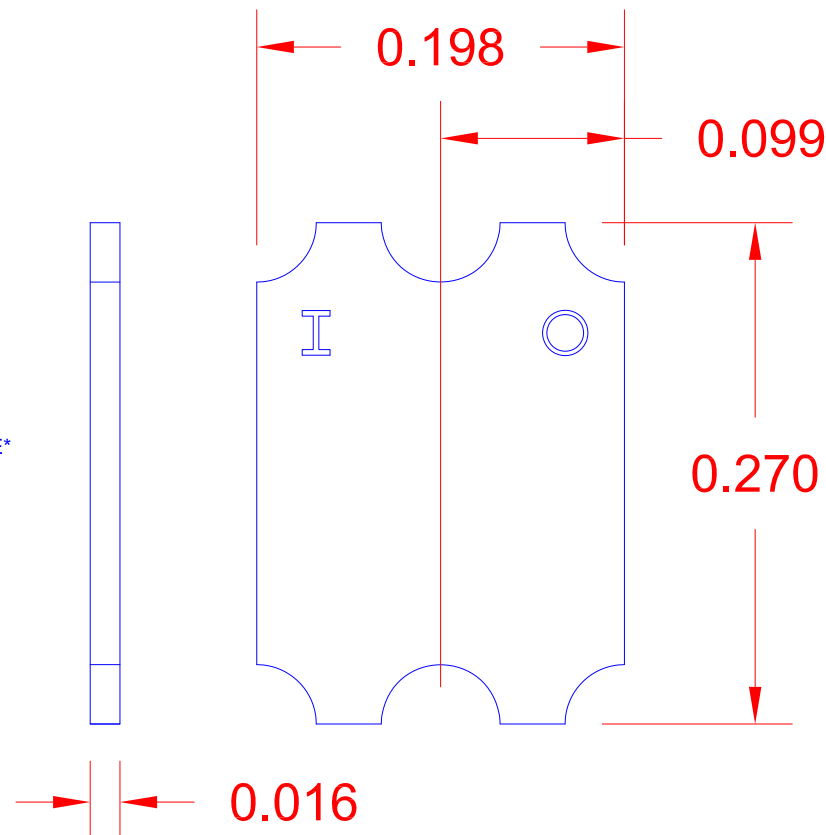
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

ALL DIMENSIONS
ARE IN INCHES (mm)
TOLERANCES:
X.XX ± 0.020
X.XXX ± 0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	1/6/2016	

MECHANICAL OUTLINE



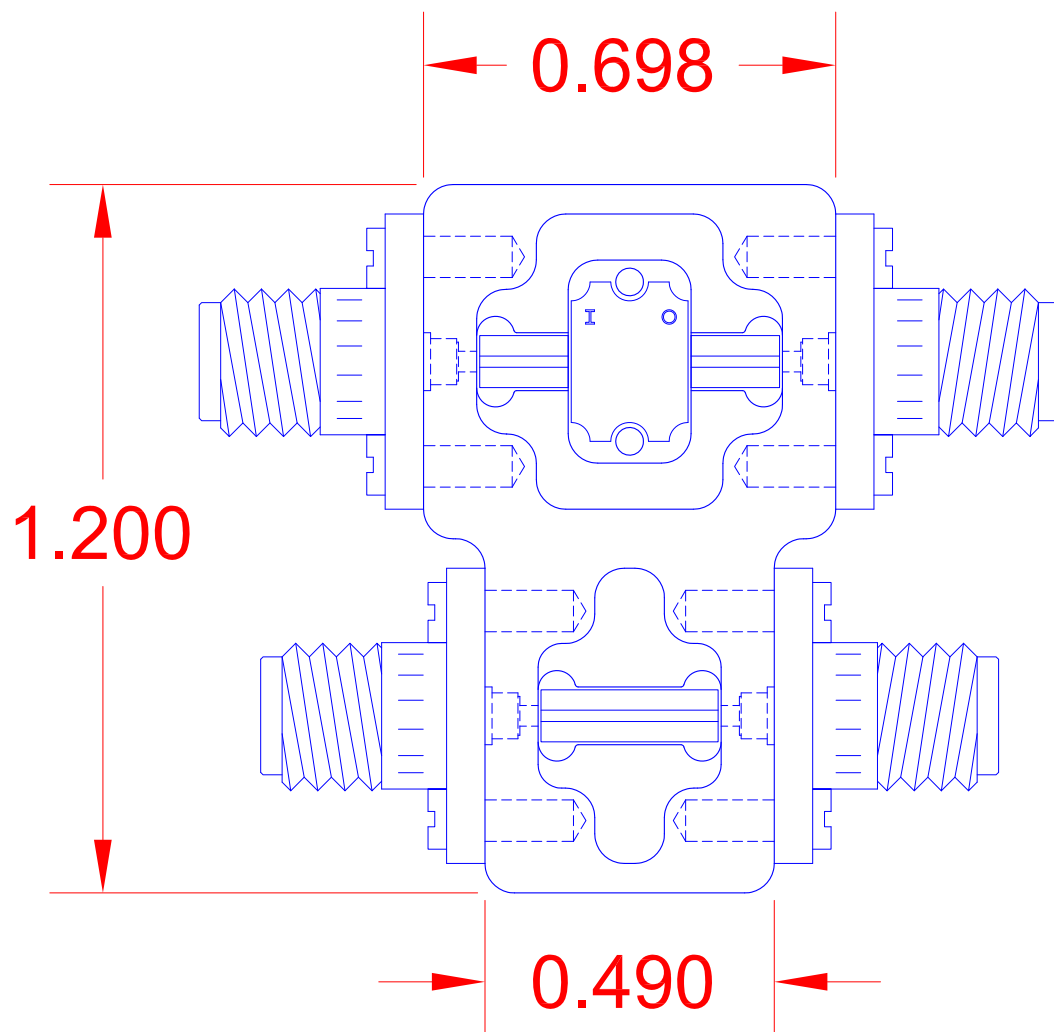
PLANAR MONOLITHICS INDUSTRIES, INC.
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ISO 9001 CERTIFIED



		TITLE PRODUCT FEATURE LM-32G36G-14-20W-SMT			
APPROVALS	DATE				
DRAWN <i>M. Berry</i>	<i>1/6/16</i>				
CHECKED		SIZE A	FSCM NO. 05XQ0	DWG NO. 27029051	REV 1
ISSUED		SCALE N:S			SHEET 1 OF 2

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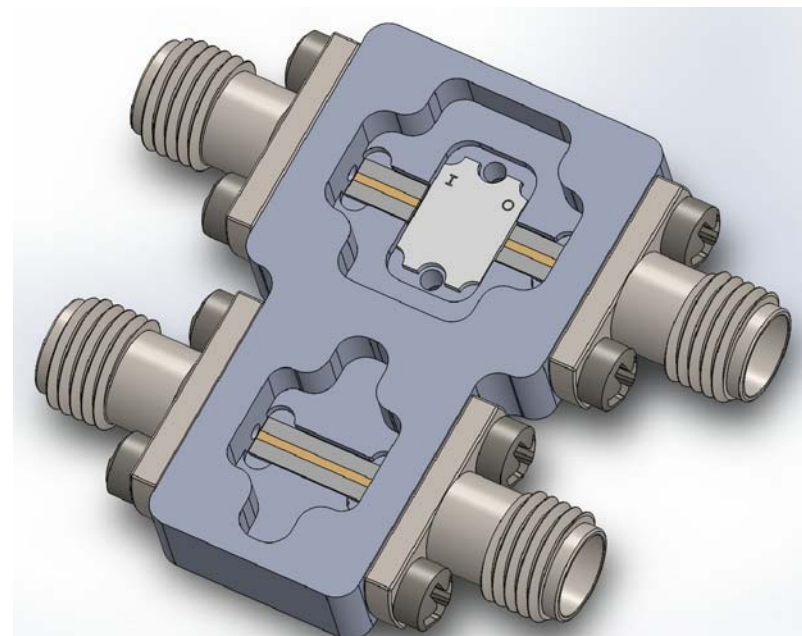


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				FSCM NO.	DWG NO.
				05XQ0	27029051
				SCALE	SHEET
				N:S	2 OF 2