

DESCRIPTION

PMI MODEL: LM-1K2G-5CW-SFF-HERM-SM IS A RF LIMITER THAT OPERATES OVER THE 0.001 GHz TO 2 GHz FREQUENCY RANGE. THIS LIMITER CAN HANDLE 5 W CW INPUT POWER AND PROVIDES A MAXIMUM LEAKAGE OF +20 dBm (100 mW) MAXIMUM . THIS MODEL HAS A LOW INSERTION LOSS OF 0.8 dB IN A HERMETIC PACKAGE.

SPECIFICATIONS

- FREQUENCY RANGE: 0.001 GHz TO 2 GHz
- INSERTION LOSS: 0.8 dB MAXIMUM
- INPUT/OUTPUT VSWR: 1.3:1 MAX @ 0 dBm INPUT
- IMPEDANCE: 50 Ω
- INPUT POWER: 5 W CW MIN
- MAXIMUM FLAT LEAKAGE: 0.001 TO 1 GHz - 17 dBm (50 mW) MAX
1 TO 2 GHz - 20 dBm (100 mW) MAX
- LIMITING THRESHOLD: 7 dBm MIN, 1 dB COMPRESSION
- CONNECTORS: INPUT: SMA MALE (REMOVABLE)
OUTPUT: SMA FEMALE(REMOVABLE)
- SIZE: 0.53" x 0.65" x 0.22"
13.513 mm x 16.510 mm x 5.664 mm
(EXCLUDING CONNECTORS)
- FINISH: GOLD PLATED / HERMETIC SEALED

* - EXTERNAL DC BLOCKS ARE REQUIRED FOR PROPER FUNCTION.

ENVIRONMENTAL RATINGS

- TEMPERATURE: -55 °C TO +85 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- STABILIZATION BAKE: MIL-STD-883, METHOD 1008, COND. B
- THERMAL CYCLE: MIL-STD-883, METHOD 1010, COND. B
- INTERNAL VISUAL: MIL-STD-883, METHOD 2017
- CONSTANT ACCELERATION: MIL-STD-883, METHOD 2001, COND.A (YI AXIS)
- BURN IN: MIL-STD-883, METHOD 1015, COND. 125 DEGREES C
- SEAL FINE & GROSS: MIL-STD-883, METHOD 1014, COND. AI & CI
- EXTERNAL VISUAL: MIL-STD-883, METHOD 2009
- NON-DESTRUCTIVE BOND PULL: MIL-STD-883, METHOD 2023

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

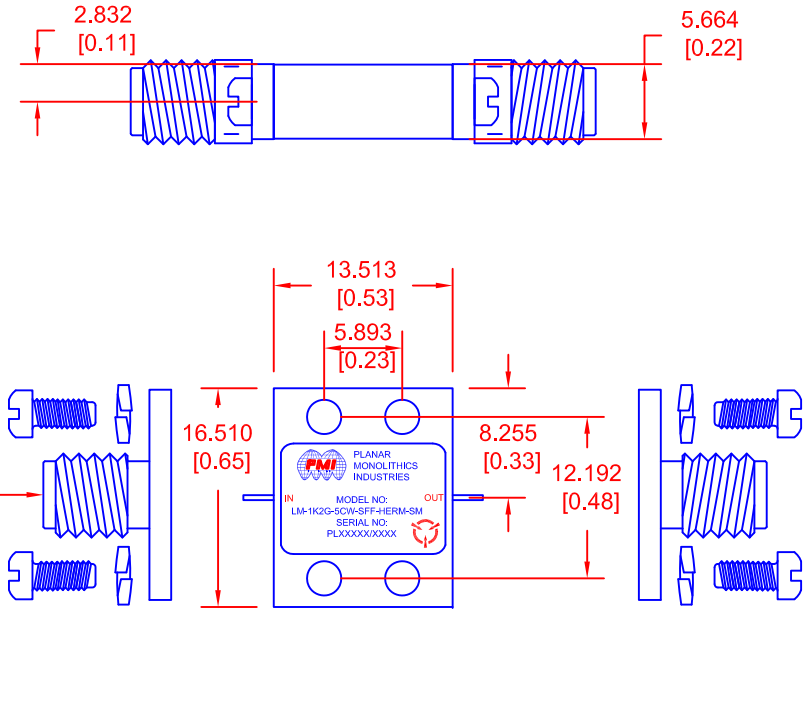
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

ALL DIMENSIONS
ARE IN mm (INCH)
TOLERANCES:
X.XX $\pm$ 0.508 [0.020]
X.XXX $\pm$ 0.254 [0.010]

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	9/29/2016	

MECHANICAL OUTLINE



SMA (F) REMOVABLE & 0.012 RF PINS
2 PLACES TYP.

PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		S. PALAJO		9/29/2016	
CHECKED					
ISSUED					
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		PRELIMINARY	
SCALE		N:S		SHEET	
				1 OF 1	