

## DESCRIPTION

PMI MODEL: LM-1K2G-5CW-SFF-HERM 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.

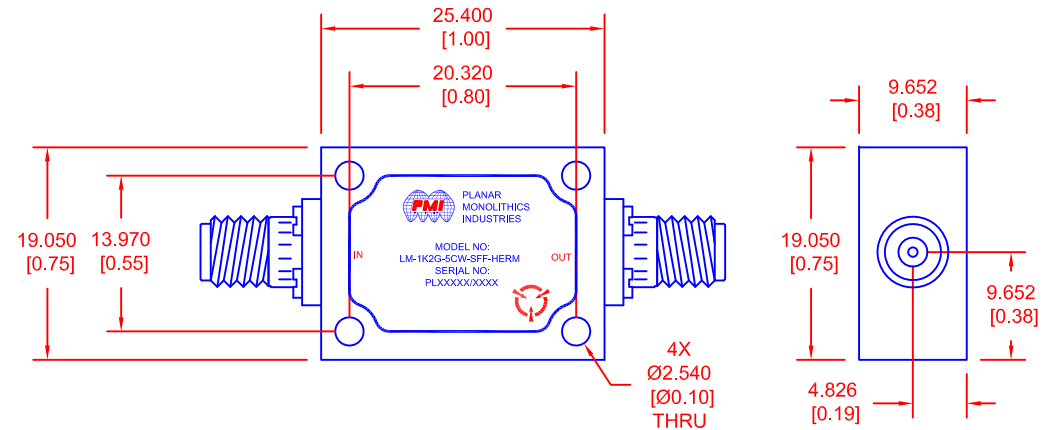
## SPECIFICATIONS

- 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: ----- 1.00" x 0.75" x 0.38"  
25.40 mm x 19.05 mm x 9.65 mm  
(EXCLUDING CONNECTORS)
- FINISH: ----- GOLD PLATED / HERMETIC SEALED

\* - EXTERNAL DC BLOCKS ARE REQUIRED FOR PROPER FUNCTION.

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

## MECHANICAL OUTLINE



## 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 ±0.508 [0.020]  
X.XXX ±0.254 [0.010]

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>S. PALAJO</i>		9/29/2016	PRODUCT FEATURE LM-1K2G-5CW-SFF-HERM			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. 1
ISSUED			SCALE N:S		SHEET 1 OF 1	