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

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
- BURN IN: MIL-STD-883, METHOD 1015, COND. 125 DEGREES C
- SEAL FINE & GROSS: MIL-STD-883, METHOD 1014, COND. AI & CI
- NON-DESTRUCTIVE BOND PULL: MIL-STD-883, METHOD 2023

NOTE: SPECIFICATIONS MAY VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PLANAR MONOLITHICS INDUSTRIES, INC.
7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: (301)-662-5019, FAX: (301)-662-1731
WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED

PRODUCT FEATURE
LM-1K2G-5CW-SFF-HERM

DRAWN
S. PALACIO

APPROVED

CHECKED

ISSUED

SCALE
N:S

DATE
2/19/2016

REV.
1

05XQ0
PRELIMINARY