PMI MODEL LM–10M2D5G–100CW–1KWP–SFF IS A RF LIMITER THAT OPERATES IN THE 10MHz TO 2.5GHz FREQUENCY RANGE. THIS LIMITER CAN HANDLE 100W CW AND 1KW PEAK (1% DUTY CYCLE, 1USEC MAXIMUM PULSE WIDTH) INPUT POWER AND PROVIDES A MAXIMUM LEAKAGE OF 14dBm MAXIMUM AT 10W CW INPUT. THIS MODEL HAS A LOW INSERTION LOSS OF 0.5dB AND A RECOVER TIME OF 2USEC TYPICAL.

SPECIFICATIONS

- FREQUENCY RANGE: 10 MHz TO 2.5GHz
- INSERTION LOSS: 0.5dB TYPICAL
- INPUT/OUTPUT VSWR: 1.3:1 MAXIMUM (AT ~10dBm INPUT)
- IMPEDANCE: 50 OHMS
- INPUT POWER: 100 WATTS CW MAXIMUM (NOTES 1, 2)
  1KW PEAK (1% DUTY CYCLE, 1USEC MAXIMUM PULSE WIDTH)
  (NOTES 1, 2, 3)
- MAXIMUM FLAT LEAKAGE: 14dBm MAXIMUM AT 10W CW
- P1dB: 0dBm MINIMUM
- RECOVERY TIME: 2usec TYPICAL
- OPTION: HERMETIC OR NOT HERMETIC SEALING AVAILABLE
- FINISH: GOLD PLATED

NOTES:
1. POWER RATING AT 25°C: DERATED LINEARLY TO ZERO @ 150°C
2. HIGH POWER TEST DURATION: FULL RATED POWER FOR 10 SECONDS
3. HIGH POWER PEAK CONDITIONS: 1KW PEAK (1% DUTY CYCLE, 1USEC MAXIMUM PULSE WIDTH)
4. EXTERNAL DC BLOCKS ARE REQUIRED FOR PROPER FUNCTION.

ENVIRONMENTAL RATINGS

- TEMPERATURE: −55°C TO +85°C (OPERATING)
  −60°C TO +100°C (STORAGE)
- STABILIZATION BAKE: MIL–STD–883, METHOD 1008, TEST COND. B
- THERMAL CYCLE: MIL–STD–883, METHOD 1010, TEST COND. B

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

PRODUCT FEATURE
LM–10M2D5G–100CW–1KWP–SFF

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X,XX ±0.010
X,XXX ±0.016

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REVISIONS

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MECHANICAL OUTLINE