DESCRIPTION
PMI MODEL LM-10M9G-100CW-1KWP-SFF IS A RF LIMITER THAT OPERATES IN THE
10MHz TO 9GHz FREQUENCY RANGE. THIS LIMITER CAN HANDLE 100W CW FROM 10MHz
TO 8GHz AND 1KW PEAK (1% DUTY CYCLE, 1USEC MAXIMUM PULSE WIDTH) INPUT
POWER AND PROVIDES A MAXIMUM LEAKAGE OF 20dBm MAXIMUM AT 100W CW INPUT.
THIS MODEL HAS A LOW INSERTION LOSS OF 2.0dB AND A RECOVER TIME OF 100NSEC
TYPICAL.

SPECIFICATIONS
- FREQUENCY RANGE: 10 MHz TO 9 GHz
- INSERTION LOSS: 2 dB TYPICAL
- INPUT/OUTPUT VSWR: 2.0:1 MAXIMUM (AT -10dBm INPUT)
- IMPEDANCE: 50 OHMS
- INPUT POWER: 100 WATTS CW MAXIMUM 10MHz TO 8GHz
  80W WATTS CW MAXIMUM AT 9GHz
  50W WATTS CW MAXIMUM 10MHz TO 9GHz
  ALL TEMPERATURES
  1KW PEAK (1% DUTY CYCLE, 1USEC MAXIMUM PULSE WIDTH)
- MAXIMUM FLAT LEAKAGE: 20dBm MAXIMUM AT 100W CW
- P1dB: 5 dBm MINIMUM
- RECOVERY TIME: 100nsec TYPICAL
- SEALING: OPTION E (EPOXY) OR H (HERMETIC)
  UNLESS OTHERWISE SPECIFIED, PMI WILL SUPPLY EPOXY SEAL
- FINISH: GOLD PLATED

NOTES:
1. NO DC BLOCKS ARE INSIDE THIS LIMITER.

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
- CONSTANT ACCELERATION: MIL-STD-883, METHOD 2001, A (Y1 AXIS)

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