DESCRIPTION
PMI MODEL: LM-10M62G-20DBM-1W-24FF IS A LIMITER PASSIVE HAS BEEN DESIGNED FOR MINIMAL INSERTION LOSS THAT OPERATES OVER THE 10MHz TO 62.0 GHz FREQUENCY RANGE. THIS MODEL IS Capable OF HANDLING AN INPUT POWER OF 1 WATT CW AND 4 WATTS PULSE PEAK WITH 1μS PW , 1% DUTY CYCLE, THIS LIMITER USES 2.40 FEMALE CONNECTORS.

SPECIFICATIONS
• FREQUENCY RANGE: ------- 10MHz TO 62.0 GHz
• POWER HANDLING: ------- 1.5 Watts CW Max. (20MHz to 12 GHz) 1.0 Watt CW Max. (18 GHz) (*See Note 1)
• PEAK INPUT POWER: ----- 10 Watts Peak Max (20MHz to 1GHz) 6 Watts Peak Max. (4 GHz to 8GHz) 4 Watts Peak Max. (12GHz to 18 GHz) (Pw 1μs, 1% Duty Cycle) (*See Note 2)
• INSERTION LOSS 10MHz to 18 GHz = 1.50 dB Max. (-10 dBm Input Power): ----- 18 to 40 GHz = 2.30 dB Max. 40 to 50 GHz = 2.50 dB Typ. 50 to 62 GHz = 4.00 dB Typ.
• VSWR In/ Out 10MHz to 18 GHz = 1.80:1 Max. (-10 dBm Input Power):--- 18 to 40 GHz = 2.0:1 Max. 40 to 50 GHz = 2.2:1 Max. 50 to 62 GHz = 3.0:1 Typ.

* NOTE 1: 1.5 Watts from 20 MHz to 12 GHz, 1 Watt at 18GHz, +20dBm to 40GHz (May Limit for High Power), May Handle +20dBm or more to 62GHz But no Test Equipment is available.
* NOTE 2: No Peak Power testing was performed beyond 18GHz, Theoretically the limiter should handle 4 Watts Typically 1μs PW, 1% Duty Cycle for Frequency Range 18GHz to 62GHz

ENVIRONMENTAL RATINGS
• TEMPERATURE: ------------------------ -55 °C TO +85 °C (OPERATING) -65 °C TO +125 °C (NON-OPERATING)
• HUMIDITY: ------------------------- MIL-STD-202, METHOD 103B COND. B
• SHOCK: --------------------------- MIL-STD-202, METHOD 213B COND. B
• VIBRATION: ------------------------ MIL-STD-202, METHOD 204D COND. B
• ALTITUDE: ------------------------- MIL-STD-202, METHOD 105C COND. B
• TEMPERATURE CYCLING: -------------- MIL-STD-202, METHOD 107A COND. A

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

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ISO 9001 CERTIFIED

PRODUCT FEATURE
LM-10M62G-20DBM-1W-24FF
10MHz to 62.0 GHz High Power Limiter

PMI CONFIDENTIAL AND PROPRIETARY
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HOUSING WITH CARRIER

MECHANICAL OUTLINE

HOUSING WITHOUT CARRIER (SURFACE MOUNT)

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

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