**DESCRIPTION**

PMI MODEL: LM-2G18G-18-20W-1KWP-SFF IS A HIGH POWER LIMITER THAT OPERATES OVER THE 2.0 TO 18.0 GHz FREQUENCY RANGE. THIS MODEL IS CAPABLE OF HANDLING AN INPUT POWER OF 20 WATTS CW & 1000 WATTS PEAK, HOUSED WITHIN A COMPACT 1.00" x 1.00" x 0.40" PACKAGE OUTFITTED WITH FIELD REPLACEABLE SMA FEMALE CONNECTORS.

**SPECIFICATIONS**

- **FREQUENCY RANGE:** 2.0 TO 18.0 GHz
- **RF INPUT POWER:** +43 dBm CW MAXIMUM
- **PEAK INPUT POWER:** +50 dBm 10% DC, 40us PW MAXIMUM
- **LIMITING THRESHOLD (P1dB):** +5.0 dBm MINIMUM
- **RF LEAKAGE (FLAT AND SPIKE):** +18 dBm MAXIMUM
- **RECOVERY TIME:** 100 ns MAXIMUM
- **INSERTION LOSS @ -10 dBm INPUT POWER:** 2.6 dB MAXIMUM
- **VSWR @ -10 dBm INPUT POWER:** 2.0:1 MAXIMUM (INPUT/OUTPUT)
- **INSERTION PHASE:** MEASURED AT AN INPUT POWER LEVEL OF 0 dBm WILL BE WITHIN ± 2.0 DEGREES RELATIVE TO THE PHASE MEASURED AT INPUT POWER LEVELS LESS THAN OR EQUAL TO 0 dBm.
- **CONNECTORS:** SMA FEMALE (REMOVABLE)
- **SIZE (EXCLUDING CONNECTORS):** 25.4mm x 25.4mm x 10.16mm
- **FINISH:** HERMETICALLY SEALED, PAINTED BLUE / IAW MIL-C-22750, TYPE 1, EPOXY POLIMIDE COATING, OVER IAW MIL-DTL-53022E, TYPE 4, EPOXY POLIMIDE PRIMER, MOUNTING SURFACE FREE OF PAINT CHEMICAL CONVERSION COATED IAW MIL-DTL-5541, TYPE I, CLASS 3.
- **WEIGHT:** 3.0 OZ MAXIMUM

*NOS DC BLOCKS ARE USED IN INSIDE THIS LIMITER*

**ENVIRONMENTAL RATINGS**

- **TEMPERATURE:** -44 °C TO +78 °C (OPERATING)
- **-55 °C TO +85 °C (NON-OPERATING)
- **MEET OR EXCEED RATINGS:** DOCUMENT NO. PS8551832

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

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