DESCRIPTION

PMI MODEL: LM-10M18G-16-20W-AL IS A COAXIAL LIMITER WITH AN OPERATING RANGE OF 10 MHz TO 18.0 GHz. THIS MODEL HAS A MAXIMUM INSERTION LOSS OF 2.0 dB AT -10 dBm INPUT POWER WITH A VSWR OF 2.0:1 MAXIMUM. THIS COMPACT UNIT MEASURES 0.90" x 0.38" SQUARE AND IS OUTFitted WITH SMA CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: ------ 10 MHz TO 18.0 GHz
- RF POWER HANDLING: = 20W CW MAX @ -55 TO +85°C
  1 KW PEAK MAX @ (1 μs PULSE WIDTH, 1% DUTY CYCLE )
  100W PEAK (10 μs PULSE WIDTH, 10% DUTY CYCLE )
- INSERTION LOSS: ------ 2.0 dB MAX @ -10 dBm INPUT POWER
- RECOVERY TIME (3 dB): - 250 ns MAX @ 1000 W PEAK POWER
- LEAKAGE POWER: ------ +17 DBM MAX
- IMPEDANCE: ------- 50 Ω
- VSWR: -------------- 2.0:1 MAX @ -10 dBm INPUT POWER
- LIMITING THRESHOLD: --- +5 dBm MIN (1 dB COMPRESSION)
- CONNECTORS: ------- INPUT: SMA MALE
  OUTPUT: SMA FEMALE
- WEIGHT: --------------- 20g [0.705 oz] MAX
- SIZE: --------------- (L) 22.86mm x (W) 9.65mm x (H) 9.65mm MAX
  [(L) 0.90" x (W) 0.38" x (H) 0.38" MAX EXCLUDING CONNECTORS
- FINISH: ------------ PAINTED BLUE

ENVIRONMENTAL RATINGS

JAW MIL-E-5400, CLASS 2 EQUIPMENT
- TEMPERATURE: --------------- -55 °C TO +85 °C (OPERATING)
  -62 °C TO +95 °C (STORAGE)
- VIBRATION: --------------- 0.1 inchpp OR ± 10G, 5 ~ 500 Hz
  (FIGURE 2, SHEET 1 OF 3, CURVE IV)
- SHOCK: --------------- 15G, 11±1 ms
- HUMIDITY: --------------- 100%
- ALTITUDE: --------------- 70,000 FT

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

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