MODEL LM-18G40G-SMT-1 IS A HIGH POWER LIMITER CAPABLE OF WITHSTANDING AN INPUT POWER LEVEL OF 20 WATTS, 440 TO 670 ns PULSE WIDTH, PRF 600 TO 900 kHz, 40% DUTY CYCLE. THIS MODEL OPERATES IN THE 18 GHz TO 40 GHz FREQUENCY RANGE. THE INSERTION LOSS IS 4.0 dB MAXIMUM, VSWR OF 2.0:1 AND 250 ns RESPONSE TIME. THIS LIMITER IS SUPPLIED ON A SURFACE MOUNT DROP-IN CARRIER.

SPECIFICATIONS:

- **FREQUENCY**: 18 GHz TO 40 GHz
- **INSERTION LOSS**: 4.0 dB MAX.
- **PEAK POWER**: 20 WATTS (43 dBm)
- **INPUT POWER**: 2 WATTS
- **PULSE WIDTH**: 440 TO 670 ns
- **PRF**: 600 TO 900 kHz
- **DUTY CYCLE**: 40%
- **LEAKAGE POWER**: +14 dBm TYP.
- **1dB RECOVERY TIME**: 250 ns MAX.
- **VSWR**: 2.0:1
- **SIZE**: (L) 0.270 X (W) 0.198 X (H) 0.016

ENVIRONMENTAL RATINGS:

- **TEMPERATURE**: -40 °C TO +60 °C (OPERATING)
  -50 °C TO +70 °C (STORAGE)
- **HUMIDITY**: MIL-STD-202F, METHOD 103B COND. B
- **SHOCK**: MIL-STD-202F, METHOD 213B COND. B
- **VIBRATION**: MIL-STD-202F, METHOD 204B COND. B
- **ALTITUDE**: MIL-STD-202F, METHOD 105C COND. B
- **TEMPERATURE CYCLE**: MIL-STD-202F, METHOD 107D COND. A
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