DESCRIPTION:
PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER
LM-0518-10-1W-SHS-2-M-1218 IS A HIGH POWER LIMITER THAT
WORKS FROM 12 GHz TO 18 GHz THAT HANDLES 100 WATTS PEAK
POWER WITH A PULSE WIDTH OF 1 us.

SPECIFICATIONS:
- FREQUENCY: 12 GHz to 18 GHz
- INSERTION LOSS:
  @-20 dBm: 2.0 dB (Max) 1.5 dB (Typ)
  @-20 dBm: 2.0:1 (MAX) 1.5:1 (Typ)
- Leakage @ 1 WATT
  CW IMMUNE: +14 dBm (Max) +10 dBm (Typ)
- PEAK POWER: 100 WATTS
- PULSE WIDTH: 1 us
- DUTY CYCLE: 0.1%
- CONNECTOR (INPUT): SMA MALE
- CONNECTOR (OUTPUT): SMA FEMALE
- SIZE: 1.00 X 1.00 X .400 (H)
- WEIGHT: 1.5 OZ. MAXIMUM
- FINISH: PAINTED GRAY

ENVIRONMENTAL RATINGS
- TEMPERATURE:
  -54°C TO +85°C (OPERATING)
  -65°C TO +100°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

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

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001:2008 CERTIFIED

PRODUCT FEATURE
LM-0518-10-1W-SHS-2-M-1218

M/N = MANUFACTURER PART NUMBER
O/N = OPTION NUMBER
S/N = SERIAL NUMBER

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005
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FUNCTIONAL BLOCK DIAGRAM

RF INPUT

| LIMITER CIRCUITRY |

RF OUTPUT

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FUNCTIONAL SCHEMATIC

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