DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER
LM-0118-10-1W-SHS-2-M IS A HIGH POWER LIMITER THAT
WORKS FROM 100 MHZ TO 18 GHz THAT HANDLES 100 WATTS
PEAK POWER WITH A PULSE WIDTH OF 1 us.

SPECIFICATIONS:

- FREQUENCY: 100 MHz to 18 GHz
- INSERTION LOSS @-20 dbm: 2.0 db (Max) 1.5 db (Typ)
- VSWR@-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: BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750,
  TYPE I OVER EPOXY POLIMIDE PRIMER
  IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

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 103B 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.
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FUNCTIONAL BLOCK DIAGRAM

RF INPUT ——— LIMITER CIRCUITRY ——— RF OUTPUT

PMI CONFIDENTIAL AND PROPRIETARY
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