

## DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER LM-17G18G-10-350W-SFF-VF IS A HIGH POWER LIMITER THAT WORKS FROM 17.0 GHz TO 18.0 GHz THAT HANDLES 350 WATTS PEAK POWER HAVING A PULSE WIDTH OF 20uSEC AND A DUTY CYCLE OF 6%. THE LEAKAGE POWER IS +10dBm TYPICAL. THIS MODEL CONTAINS AN INTERNAL VIDEO FILTER THAT PROVIDES OVER 50dB OF REJECTION AT FREQUENCIES BELOW 2GHz.

## SPECIFICATIONS:

- FREQUENCY:..... 17.0 TO 18.0 GHz
- INSERTION LOSS:..... 3.0 dB (TYPICAL)
- PEAK POWER:..... 350 WATTS, 20uSEC PW, 6% DC
- LEAKAGE POWER:..... +10 dBm TYPICAL
- RESPONSE TIME:..... 3 uSEC Max.
- VIDEO FILTER:..... -50dB REJECTION MIN. BELOW 2GHz
- CONNECTORS:..... SMA FEMALE (INPUT AND OUTPUT)
- SIZE:..... 1.00 X 1.00 X .500 (H)
- WEIGHT:..... 1.5 OZ. TYPICAL

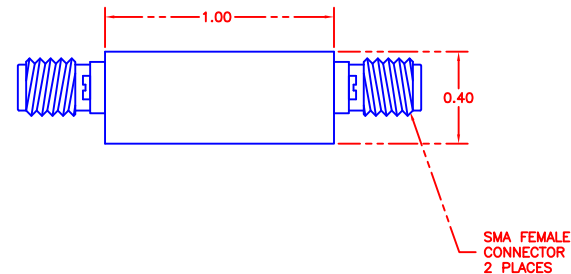
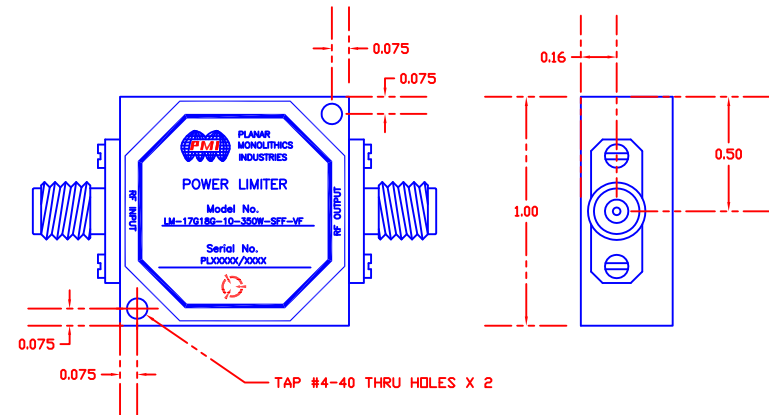
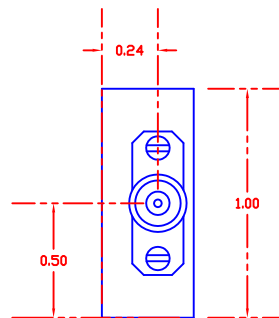
## ENVIRONMENTAL RATINGS

- TEMPERATURE: ..... -55°C TO +85°C (OPERATING)  
-65°C TO +125°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

ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX ±0.020  
X.XXX ±0.010

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

| REVISIONS |      |                  |          |          |
|-----------|------|------------------|----------|----------|
| ZONE      | REV. | DESCRIPTION      | DATE     | APPROVED |
|           | A1   | ORIGINAL RELEASE | 12/16/09 |          |
|           | A2   | ECN # 14-0186    | 11/19/14 |          |



PMI CONFIDENTIAL AND PROPRIETARY

**PLANAR MONOLITHICS INDUSTRIES, INC.**  
7311-F GROVE ROAD  
FREDERICK, MARYLAND 21704 USA  
TEL: 301-662-5019 FAX: 301-662-1731  
WEBSITE: [www.pmi-rf.com](http://www.pmi-rf.com)  
E-MAIL: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)  
ISO 9001 CERTIFIED



| APPROVALS           |  | DATE     |  | TITLE                                                             |          |              | REV. |  |
|---------------------|--|----------|--|-------------------------------------------------------------------|----------|--------------|------|--|
| DRAWN<br>S. PALACIO |  | 12/06/09 |  | PRODUCT FEATURE<br>LM-17G18G-10-350W-SFF-VF<br>HIGH POWER LIMITER |          |              | A2   |  |
| CHECKED             |  |          |  | SIZE                                                              | FSCM NO. | DWG NO.      |      |  |
| ISSUED              |  |          |  | A                                                                 | 05XQ0    | 27011581     |      |  |
|                     |  |          |  | SCALE N:S                                                         |          | SHEET 1 OF 1 |      |  |