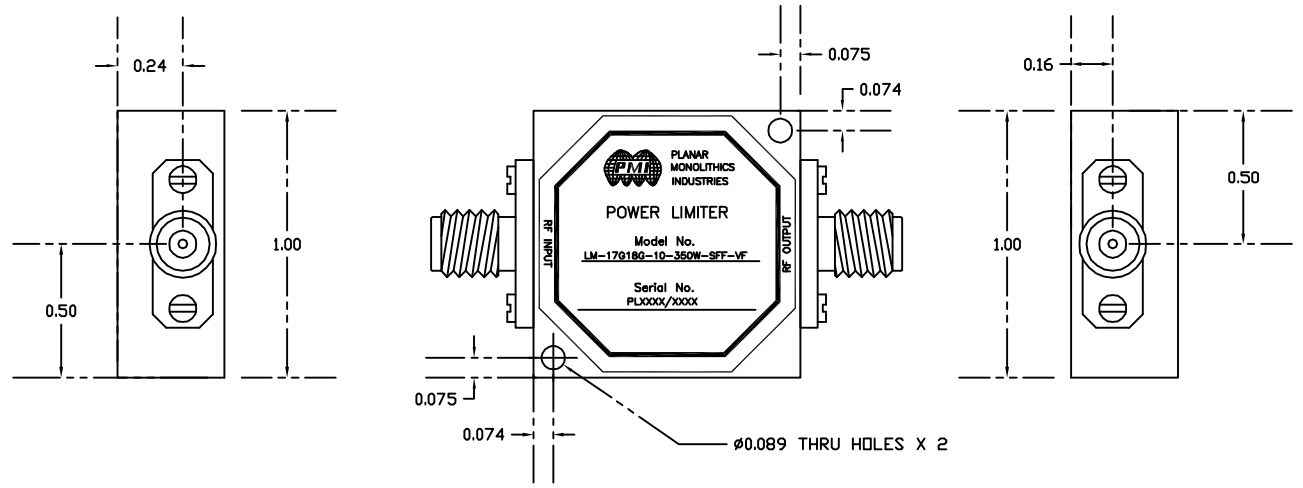
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	12/16/09	

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

CONFIDENTIAL AND PROPRIETARY

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

PART NO.		PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND			
APPROVALS	DATE	TITLE	PRODUCT FEATURE		
DRAWN S. PALACIO	12/16/09		LM-17G18G-10-350W-SFF-VF HIGH POWER LIMITER		
CHECKED		SIZE A	FSCM NO. 05XQ0	DWG NO. 27011581	REV. A
ISSUED		SCALE N:S		SHEET 1 of 1	