

REVISIONS				DATE	APPROVED
ZONE	REV.	DESCRIPTION			
	-	ORIGINAL JOB 00643P		7/28/00	

DESCRIPTION:

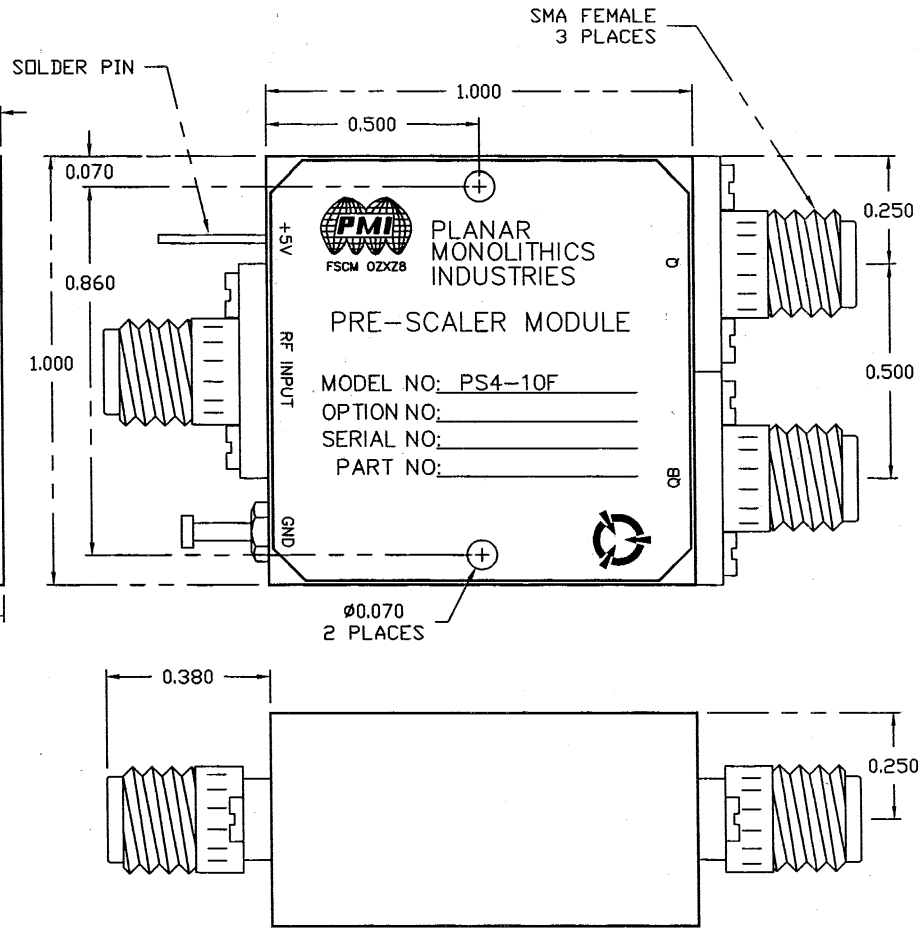
PMI MODEL PS4-10F IS A LOW POWER, VERY HIGH SPEED, PRE-SCALER FREQUENCY DIVIDER BY 4. THE PS4-10F IS OPTIMIZED FOR OPERATING IN THE 4 TO 10 GHz FREQUENCY RANGE. THIS MODEL FEATURES A HIGH INPUT SENSITIVITY OF -10dBm@10 GHz AT 25°C AND A LOW PHASE NOISE OF -139dBc/Hz AT 1KHz.

SPECIFICATIONS:

- OPERATING FREQUENCY: 4 GHz TO 10 GHz
- INPUT OPERATING RANGE -10dBm @ 10 GHz AT 25° C
- MAXIMUM POWER INPUT: +15 dBm (WITHOUT DAMAGE)
- CONNECTORS THE INPUT/OUTPUT SIGNAL CONNECTORS SHALL BE AN SMA FEMALE IN ACCORDANCE WITH MIL-C-39012. THE POWER CONNECTION WILL BE A SOLDERABLE PIN(Ø0.023" MIN.).
- POWER SUPPLY VOLTAGE +5V @ 400 mA MAX.
- SIZE 1.00" (L) x 1.00" (W) x 0.50" (H)
- WEIGHT < 1.2 OUNCES

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -40°C TO +85°C (OPERATING)
..... -65°C TO +175°C (STORAGE)
- HUMIDITY: MAINTAINS SPEC INTEGRITY W/RELATIVE HUMIDTY OF 95%
- SHOCK: MIL-STD-901, GRADE A, CLASS 1, LIGHT WEIGHT, TYPE B.
- VIBRATION: MIL-STD-167-1, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A



CONFIDENTIAL AND PROPRIETARY

PART NO.		PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE	
DRAWN <i>P. TURNER</i>	7/28/00	PRODUCT FEATURE PS4-10F	
CHECKED <i>[Signature]</i>	8/16/00	SIZE	FSCM NO.
ISSUED <i>[Signature]</i>	8/15/00	A	OZXZ8
		DWG NO.	REV.
		100-6355	-
SCALE N/S		SHEET 1 of 3	

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION