

DESCRIPTION:

PMI MODEL TDC-18T-204F IS A HIGH SPEED, ADJUSTABLE LOW LOSS COUPLER DETECTOR, WITH THE OUTPUT OPTIMIZED TO OPERATE FROM THE 2.4 TO 2.5 GHz FREQUENCY RANGE WITH A VSWR OF 1.5:1. THIS UNIT COMES WITH SMA CONNECTORS ON THE RF INPUT/OUTPUT AND TTL OUTPUT, WITH SOLDER PINS FOR THE DC POWER AND CONTROL PINS.

SPECIFICATIONS:

- FREQUENCY: 2.4 TO 2.5 GHz
- INSERTION LOSS: 1.0 dB MAXIMUM
- VSWR: 1.5:1 MAXIMUM
- DETECTOR OUTPUT: ADJUSTABLE: -5 dBm
+5 dBm
- SWITCHING TIME: 50 nS MAXIMUM
(90%/10% RF TO 50% TTL)
- POWER OPERATING: +35 dBm (CW) MAXIMUM
- DC VOLTAGE: +5V @ 85 mA
-5V @ 25 mA
- RF IN/OUT CONNECTOR: SMA FEMALE
- TTL OUTPUT: SMA FEMALE
- DC BIAS CONNECTOR: 0.030" DIA SOLDER PIN
- FINISH: GRAY EPOXY PAINT PER MIL-C-22750
- SIZE: 1.50" x 1.50" x 0.50"
- WEIGHT: 1.5 OUNCE TYPICAL

(NOTE:) J1/J2 ARE FOR PUTTING EXTERNAL POT-METER OR FIXED RESISTOR TO ADJUST FOR RF INPUT LEVELS -10 dBm TO 0 dBm

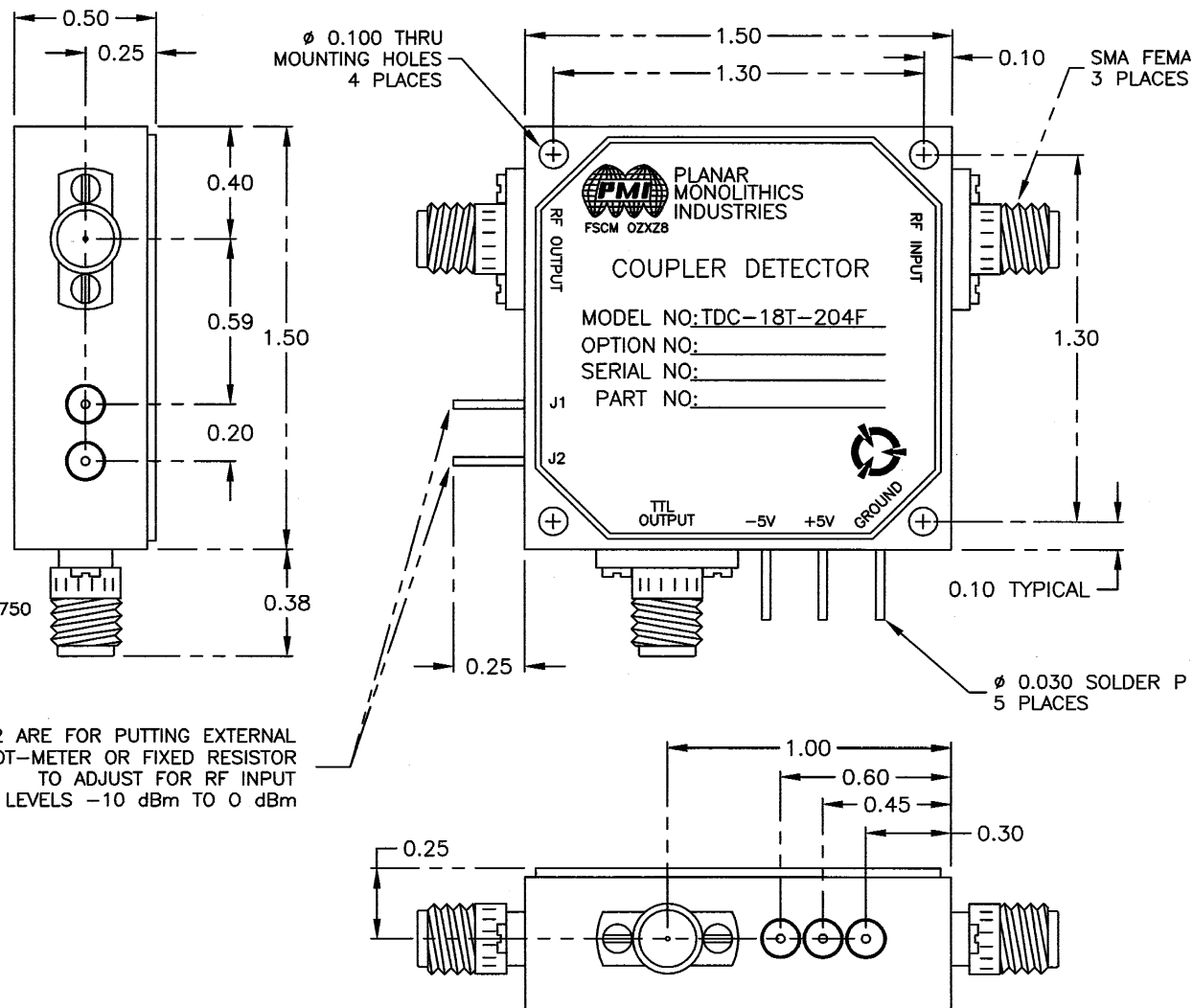
ENVIRONMENTAL RATINGS:

- TEMPERATURE: -20°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 204D 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 ±0.010
X.XXX ±0.005

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ZONE		REV.	DESCRIPTION	DATE	APPROVED
		-	ORIGINAL JOB# 00207PE	3/29/00	



PART NO.		PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND	
APPROVALS		TITLE	
DRAWN S. TURNER		PRODUCT FEATURE TDC-18T-204F	
CHECKED		DATE 3/29/00	
ISSUED		SIZE FSCM NO. A 0ZXZ8	
		DWG NO. 100-5335	
		REV. -	
		SCALE 3:1	
		SHEET 1 of 3	