

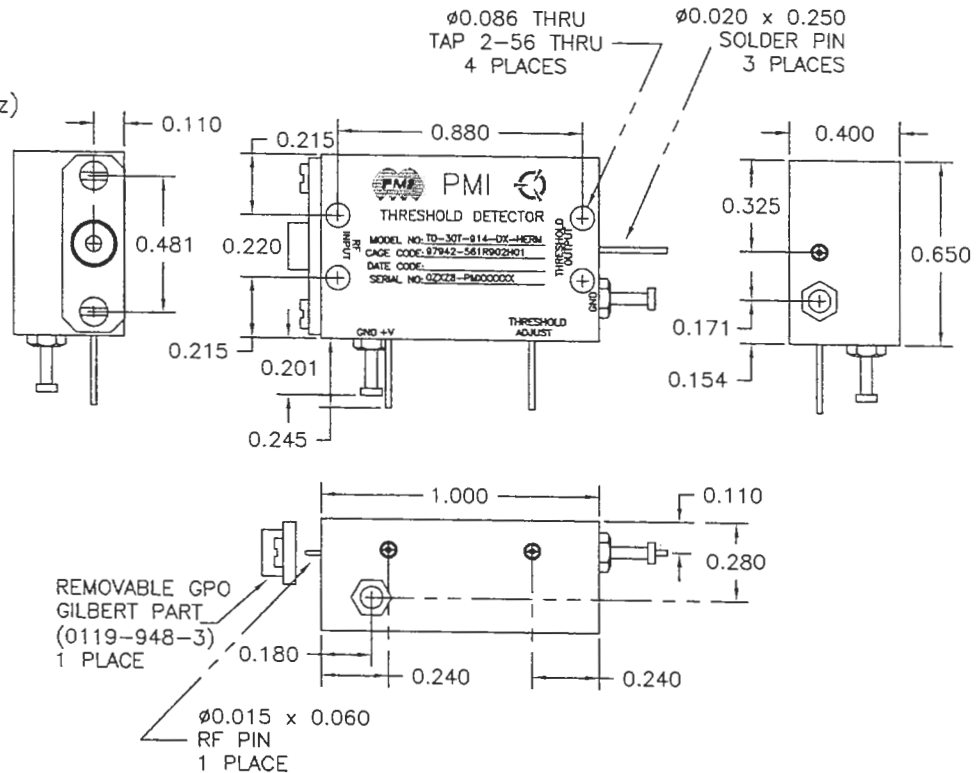
DESCRIPTION:

PMI MODEL NUMBER TD-30T-914-DX-HERM IS A HIGH SPEED THRESHOLD DETECTOR DESIGNED TO OPERATE OVER THE 9 TO 14 GHz FREQUENCY RANGE, WITH AN ADJUSTABLE THRESHOLD LEVEL OF -18 TO +5 dBm, AND TYPICAL VSWR OF 2.0:1 (2.5:1 MAXIMUM). THIS UNIT IS HERMETICALLY SEALED AND COMES IN A VERY SMALL SIZE WITH FIELD REMOVABLE GPO CONNECTOR ON THE INPUT AND SOLDER PIN ON THE OUTPUT.

SPECIFICATIONS:

- FREQUENCY: 9 TO 14 GHz
(ALSO AVAILABLE IN 100 MHz TO 18 GHz)
- VSWR: 2.5:1 MAXIMUM (2.0:1 TYPICAL)
- DYNAMIC RANGE: -18 dBm TO +5 dBm MINIMUM,
- INPUT FLATNESS: ±2.0 dB MAXIMUM, (±1.0 dB TYPICAL)
- RESPONSE TIME: 250 nSec MAXIMUM
(ALSO AVAILABLE IN HIGHER SPEEDS)
- OUTPUT TTL
- POWER SUPPLY: +5 V @ 100 mA MAXIMUM
- RF INPUT CONNECTOR: REMOVABLE GPO
- OUTPUT CONNECTOR: SOLDER PIN
- SIZE: 0.900" x 0.775" x 0.400"
- WEIGHT: 0.50 OUNCE

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	ORIGINAL RELEASE	8/16/04	



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 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

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APPROVALS		DATE	TITLE		
DRAWN	<i>JDS</i>	8/16/04	PRODUCT FEATURE TD-30T-914-DX-HERM HERMETICALLY SEALED 9 TO 14 GHz THRESHOLD DETECTOR		
CHECKED	<i>PA</i>	9/3/04	SIZE	FSCM NO.	DWG NO.
ISSUED			A	OZXZ8	100-7075
			SCALE	SHEET	
			N:S	1 OF 3	