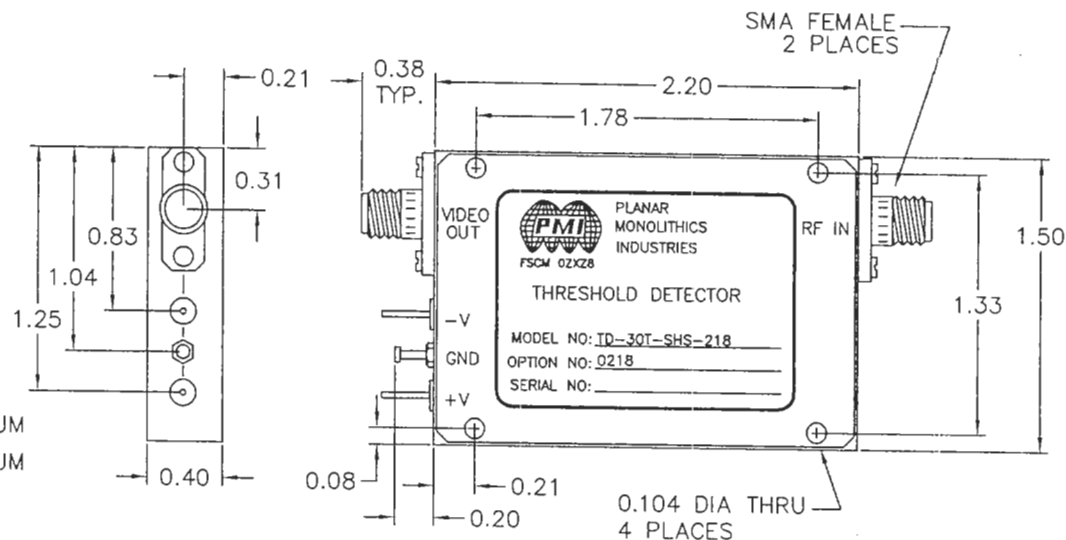


DESCRIPTION

PMI MODEL TD-30T-SHS-218 OPTION: 0218 IS THRESHOLD DETECTOR DESIGNED FOR THE 0.2 TO 18 GHz FREQUENCY RANGE, WITH A VSWR INPUT OF 3.0:1 @ -20 dBm AND A DYNAMIC RANGE OF -20 dBm TO +10 dBm.

SPECIFICATIONS

- FREQUENCY RANGE: 0.2 TO 18 GHz
- MINIMUM SIGNAL LEVEL FOR LOGIC 1: -15 dBm $\pm$ 2 dB
- THRESHOLD VARIATION OVER
FREQUENCY FOR ANY 1 GHz WINDOW: $\pm$ 0.5 dB
- PROPAGATION DELAY FROM 50% OF
AN INPUT OF -20 dBm: 15 nSec MAXIMUM
- PROPAGATION DELAY FROM 50%
WHEN INPUT OF +10 dBm: 15 nSec MAXIMUM
- VSWR INPUT: 3.0:1 @ -20 dBm
- POWER PLUS: +15 VDC @ 100 mA MAXIMUM
- POWER MINUS: -15 VDC @ 100 mA MAXIMUM
- SIZE: 2.2" x 1.5" x 0.4"
- WEIGHT: < 3 oz.



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 $\pm$ 0.010
X.XXX $\pm$ 0.005

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
		ORIGINAL RELEASE JOB# P404018N	7/22/04

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APPROVALS		DATE		TITLE	
DRAWN	JDJ	7/22/04		PRODUCT FEATURE TD-30T-SHS-218 OPTION: 0218 0.2 - 18 GHz THRESHOLD DETECTOR	
REDRAWN	JDJ	8/10/04		SIZE	FSCM NO.
ISSUED	UA	8/31/04		A	OZXZ8
				DWG NO.	100-7051
				SCALE	N:S
				SHEET	1 OF 3