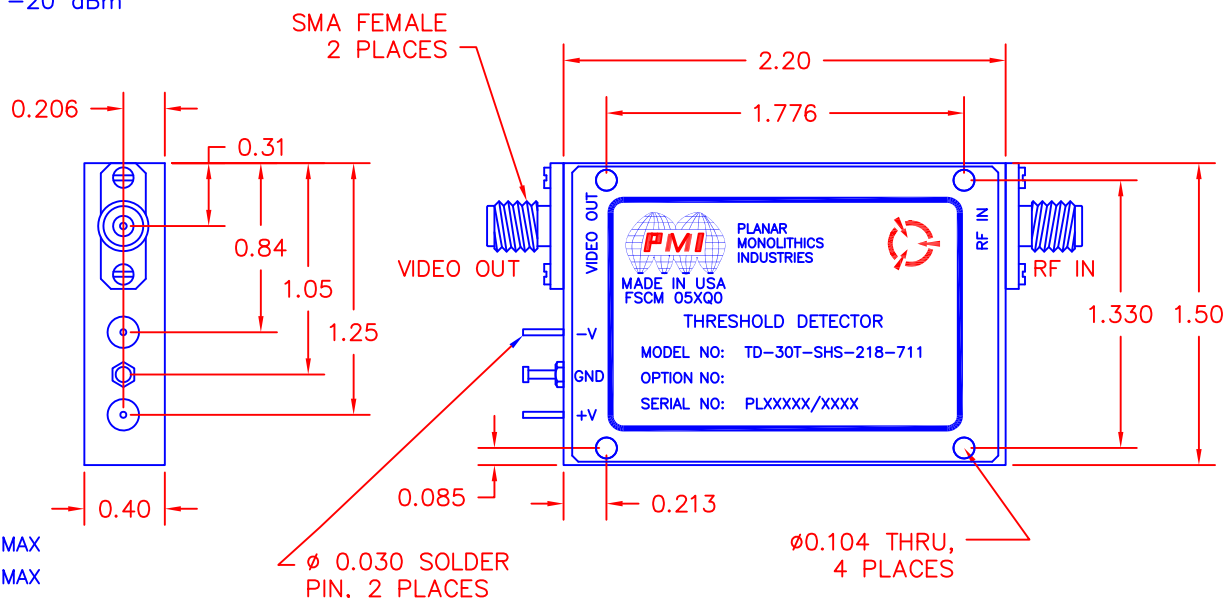


DESCRIPTION

PMI MODEL TD-30T-SHS-218-711 IS A HIGH SPEED, TTL LOGIC OUTPUT THRESHOLD DETECTOR DESIGNED TO OPERATE FROM 7.0 TO 11.0 GHz WITH AN INPUT VSWR OF 2.0:1 @ -20 dBm AND A DYNAMIC RANGE OF -20 dBm TO +10 dBm.

SPECIFICATIONS

- FREQUENCY RANGE: 7.0 TO 11.0 GHz
- VSWR: 3.0 : 1 MAXIMUM @ -20 dBm
- MINIMUM SIGNAL LEVEL
FOR LOGIC 1: -15 dBm $\pm$ 2 dB
- THRESHOLD VARIATION
OVER FREQUENCY
(ANY 1 GHz WINDOW): $\pm$ 0.5 dB
- MINIMUM SIGNAL LEVEL
FOR LOGIC 0: -25 dBm
- PROPAGATION DELAY 15 ns MAX
(FROM 50% OF AN INPUT
OF -20 dBm):
- PROPAGATION DELAY 15 ns MAX
(FROM 50% OF AN INPUT
OF +10 dBm):
- DC POWER SUPPLY
 - +V: +15 VOLTS @ 100 mA MAX
 - V: -15 VOLTS @ 100 mA MAX
- SIZE: 2.2" x 1.50" x 0.40"
- WEIGHT: $\leq$ 3 OUNCES
- FINISH: GOLD PLATED



PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS

- TEMPERATURE: -55°C TO +85°C (OPERATING)
-65°C TO +100°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

NOTES:

- DIMENSIONS ARE IN INCHES
- TOLERANCES: X.XX $\pm$ 0.020
X.XXX $\pm$ 0.010
- WEIGHT: 2.75 OZ

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	08/15/15	

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN <i>EMF</i>		08/15/16		PRODUCT FEATURE	
REDRAWN				TD-30T-SHS-218-711	
ISSUED				PRELIMINARY	
SIZE A		FSCM NO. 05XQ0		DWG NO.	
SCALE N:S				SHEET 1 OF 1	