

DESCRIPTION

PMI MODEL ADA-0520F-65-OPT6G18G-PTB IS 6.0 TO 18.0 GHZ, PORTABLE ADJUSTABLE THRESHOLD DETECTOR. THIS UNIT OPERATES ON 220 TO 230 VAC AND IS SUPPLIED WITH A 6 FOOT STANDARD EU 2-PRONG STYLE POWER CORD.

SPECIFICATIONS

- FREQUENCY RANGE: 6.0 TO 18.0 GHZ
- MINIMUM SIGNAL LEVEL FOR THRESHOLD SETTING: -45 dBm $\pm$ 2.5 dB
- THRESHOLD VARIATION (FLATNESS): $\pm$ 1.5 dB MAX
- POWER INPUT: +10 dBm
- INPUT SIGNAL: FROM 20 ns PULSE TO CW
- OUTPUT LEVEL DETECTED: 0 V & 2.5 V MIN UNDER 50 OHMS (TTL)
- OUTPUT STABILITY: $\pm$ 3.0 dB (BETWEEN -50°C TO +85°C)
- RISE TIME: 10 ns TYPICAL, 20 ns MAXIMUM
- PROPAGATION DELAY: 10 ns TYPICAL, 20 ns MAXIMUM
- RECOVERY TIME: 60 ns MAXIMUM
- TEMPERATURE RANGE: -50°C TO +85°C
- EXTERNAL INPUT RF CONNECTORS: SMA FEMALE
- EXTERNAL OUTPUT CONNECTORS: BNC TYPE FEMALE
- AC VOLTAGE SUPPLY: 220 - 230VAC

*SUPPLIED WITH FUSE AND 6 FOOT STANDARD EU 2-PRONG STYLE POWER CORD

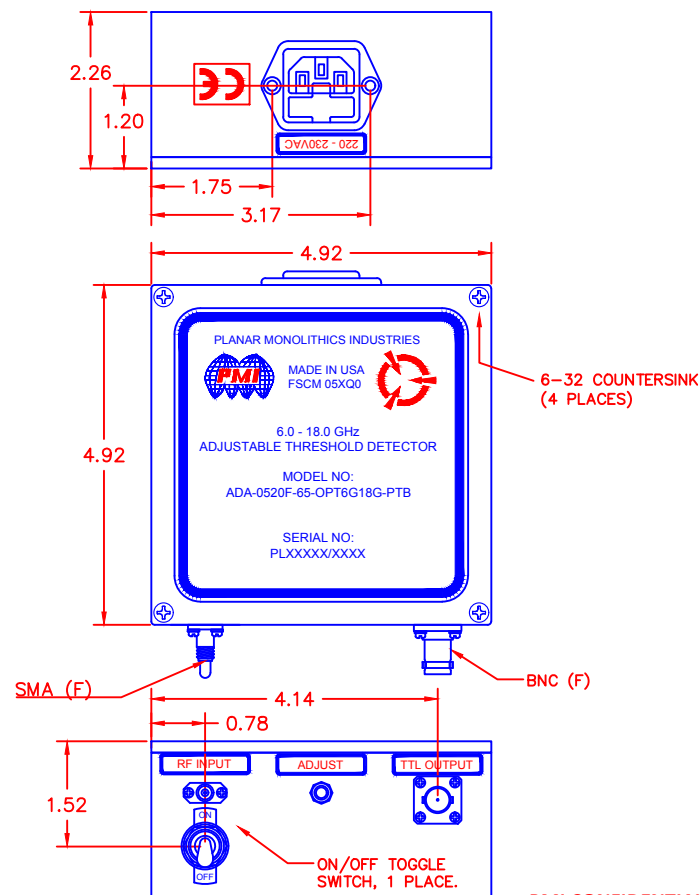
- SIZE (L) 4.92" X (W) 4.92" X (H) 2.26"
- FINISH BLUE POWDER COATED

ENVIRONMENTAL RATINGS

- **TEMPERATURE:** -50°C TO +85°C (OPERATING)
-50°C TO +100°C (NON-OPERATING)
- **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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	4/22/19	



PMI CONFIDENTIAL AND PROPRIETARY

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



		TITLE					
APPROVALS		DATE		PRODUCT FEATURE			
DRAWN <i>B. Thomas</i>		4/22/19		ADA-0520F-65-OPT6G18G-PTB			
REDRAWN				SIZE A	FSCM NO. 05XQ0	DWG NO. 27036382	REV. A
ISSUED				SCALE N: S		SHEET 1 OF 1	

NOTES:
1) DIMENSIONS ARE IN INCHES
2) TOLERANCES: X.XX $\pm$ 0.020
X.XXX $\pm$ 0.010