

REVISIONS		DESCRIPTION	DATE	APPROVED
ZONE	REV.			
	A1	ORIGINAL RELEASE	01/19/22	

DESCRIPTION:
 PMI MODEL NUMBER PEC-20M3G-3T-SFF-LV-RDHS IS A SINGLE POLE, THREE THROW NON-REFLECTIVE SWITCH DESIGNED TO OPERATE OVER THE 20MHZ TO 3.0GHZ THIS MODEL OFFERS ULTRA LOW VIBED TRANSIENTS. THIS VERSION IS LEAD-FREE RDHS COMPATIBLE. A NON-RDHS VERSION IS ALSO AVAILABLE AS PEC-20M3G-3T-SFF-LV.

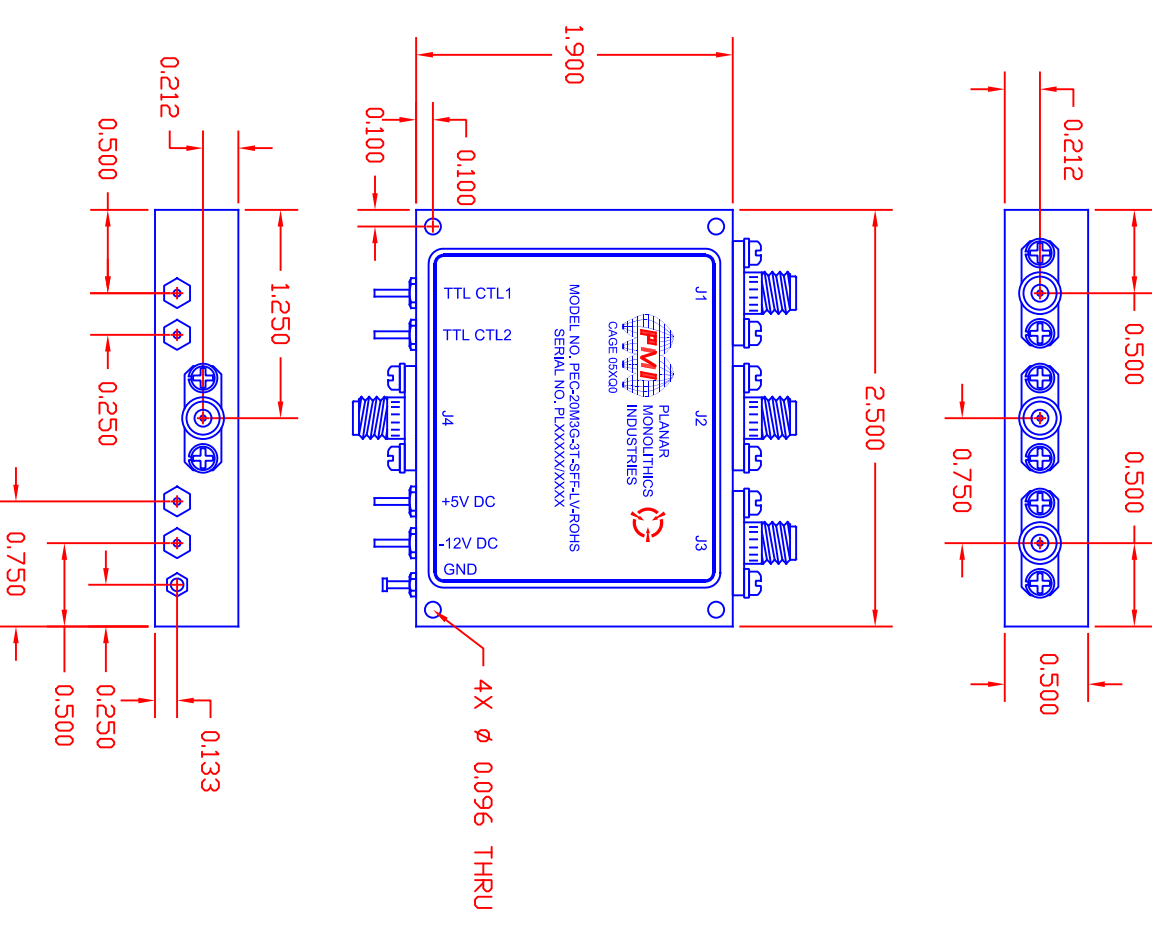
SPECIFICATIONS:

- OPERATING FREQUENCY: 20 MHZ TO 3.0 GHZ
- INSERTION LOSS (0.02 – 1.0GHZ): 2.0dB MAXIMUM
- INSERTION LOSS (1.0 – 2.0GHZ): 2.5dB MAXIMUM
- INSERTION LOSS (2.0 – 3.0GHZ): 4.0dB MAXIMUM
- ISOLATION (0.02 – 1.0GHZ): 70dB MINIMUM
- ISOLATION (1.0 – 2.0GHZ): 60dB MINIMUM
- ISOLATION (2.0 – 3.0GHZ): 50dB MINIMUM
- VSWR (0.02 – 3.0GHZ): 2.0:1 MAX
- PdB (0.02 – 1.0GHZ): +23/25 dB
- PdB (1.0 – 2.0GHZ): +27/29 dB
- PdB (2.0 – 3.0GHZ): +30/32 dB
- CONTROL: ABOVE 20MHZ – 100 dBm
- POWER SUPPLY: BELDW 20MHZ – 75 dBm
- RF CONNECTORS: SEE TRUTH TABLE ABOVE
- FINISH: +5V @ 250mA MAX
- 12V @ 120mA MAX
- GPD & SMA FEMALE CONNECTORS
- SILVER PLATED

TRUTH TABLE

TTL1	TTL2	PATH
0	0	J1-J4
0	1	J2-J4
1	0	J3-J4
1	1	UNDEFINED

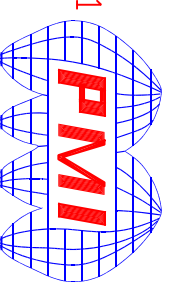
MECHANICAL OUTLINE



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
 ISD 9001 CERTIFIED



- ENVIRONMENTAL RATINGS:**
- TEMPERATURE: -45°C TO +90°C (OPERATING)
-54°C TO +125°C (STORAGE)
 - HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
 - SHOCK: MIL-STD-202F, METHOD 213B COND. C
 - VIBRATION: MIL-STD-202F, METHOD 204D COND. B
 - SALT FOG: MIL-STD-202F, METHOD 101D+EST COND. B
 - FUNGUS: MIL-STD-810F, METHOD 508.5
 - EMI / EMC: MIL-STD-461E

NOTE: Environmental testing and ESS will be met, but actual testing is not done by PMI, actual screening is available for an additional charge.

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

APPROVALS		DATE	TITLE	
DRAWN		11/17/21	PRODUCT FEATURE	
CHECKED			PEC-20M3G-3T-SFF-LV-RDHS	
ISSUED			SIZE	FSQM NO.
			A	05X00
			DWG NO.	27043560
			SCALE	N:1
			SHEET	1 OF 1
			REV.	A1