

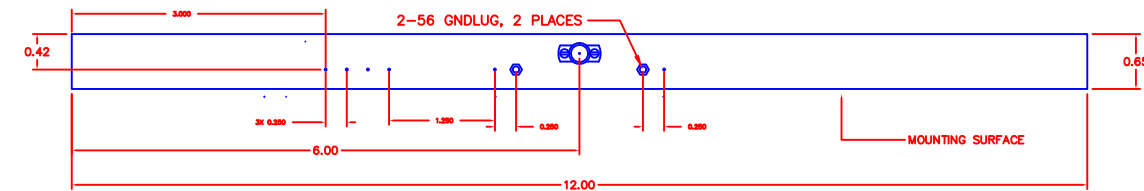
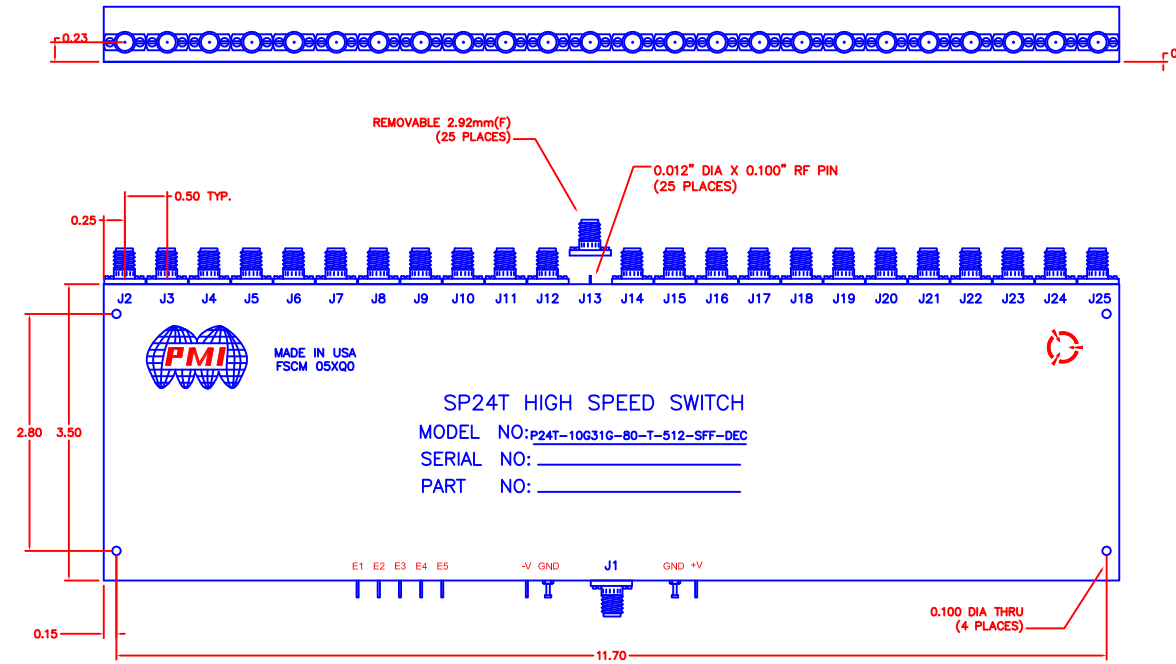
DESCRIPTION:

PMI MODEL NUMBER P24T-10G31G-80-T-512-SFF-DEC IS A SINGLE POLE, TWENTY-FOUR THROW ABSORBTIVE SWITCH DESIGNED TO OPERATE OVER THE 10.0 TO 31.0 GHZ FREQUENCY RANGE. THIS MODEL IS DESIGNED TO MAINTAIN LOW INSERTION LOSS, HIGH ISOLATION, AND FAST SWITCHING SPEED.

SPECIFICATIONS:

- FREQUENCY: 10.0 to 31.0 GHz
- INSERTION LOSS: 13dB GOAL / 15dB MAX.
- ISOLATION: 80dB MINIMUM
- VSWR: 2.0:1 MAX.
- SPEED: 100ns MAXIMUM
- POWER INPUT: +23dBm CW MAXIMUM
- CONTROL: 5 BIT - TTL LOGIC - SEE LOGIC TABLE
- POWER SUPPLY: +5V @ 1200mA NOMINAL
-5V @ 250mA NOMINAL
- CONNECTORS: 2.92mm FEMALE CONNECTORS

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	11/28/22	



Pin No.	Function
1	E1
2	E2
3	E3
4	E4
5	E5
6	GND
7	+V
8	-V
9	GND

5 BIT DECODER					
E1	E2	E3	E4	E5	FUNCTION
0	0	0	0	0	J1-J2 "Low Loss"
0	0	0	0	1	J1-J3 "Low Loss"
0	0	0	1	0	J1-J4 "Low Loss"
0	0	0	1	1	J1-J5 "Low Loss"
0	0	1	0	0	J1-J6 "Low Loss"
0	0	1	0	1	J1-J7 "Low Loss"
0	0	1	1	1	J1-J8 "Low Loss"
0	1	0	0	0	J1-J9 "Low Loss"
0	1	0	0	1	J1-J10 "Low Loss"
0	1	0	1	0	J1-J11 "Low Loss"
0	1	0	1	1	J1-J12 "Low Loss"
0	1	1	0	0	J1-J13 "Low Loss"

5 BIT DECODER					
E1	E2	E3	E4	E5	FUNCTION
0	1	1	0	1	J1-J14 "Low Loss"
0	1	1	1	0	J1-J15 "Low Loss"
0	1	1	1	1	J1-J16 "Low Loss"
1	0	0	0	0	J1-J17 "Low Loss"
1	0	0	0	1	J1-J18 "Low Loss"
1	0	0	1	0	J1-J19 "Low Loss"
1	0	0	1	1	J1-J20 "Low Loss"
1	0	1	0	0	J1-J21 "Low Loss"
1	0	1	0	1	J1-J22 "Low Loss"
1	0	1	1	0	J1-J23 "Low Loss"
1	0	1	1	1	J1-J24 "Low Loss"
1	1	0	0	0	J1-J25 "Low Loss"

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -55°C TO +95°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 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

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 9001:2008 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>JPH</i>		11/28/22	PRODUCT FEATURE			
REDRAWN			P24T-10G31G-80-T-512-SFF-DEC			
ISSUED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -
			SCALE N:S			SHEET 1 OF 1