

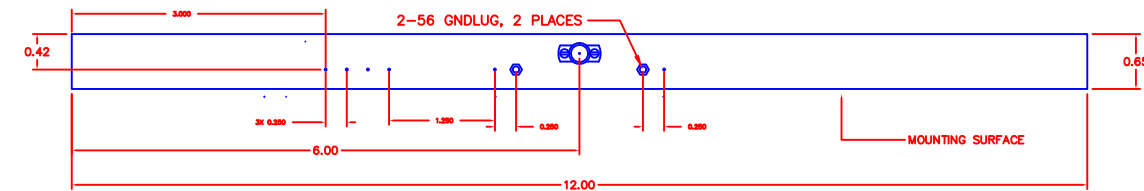
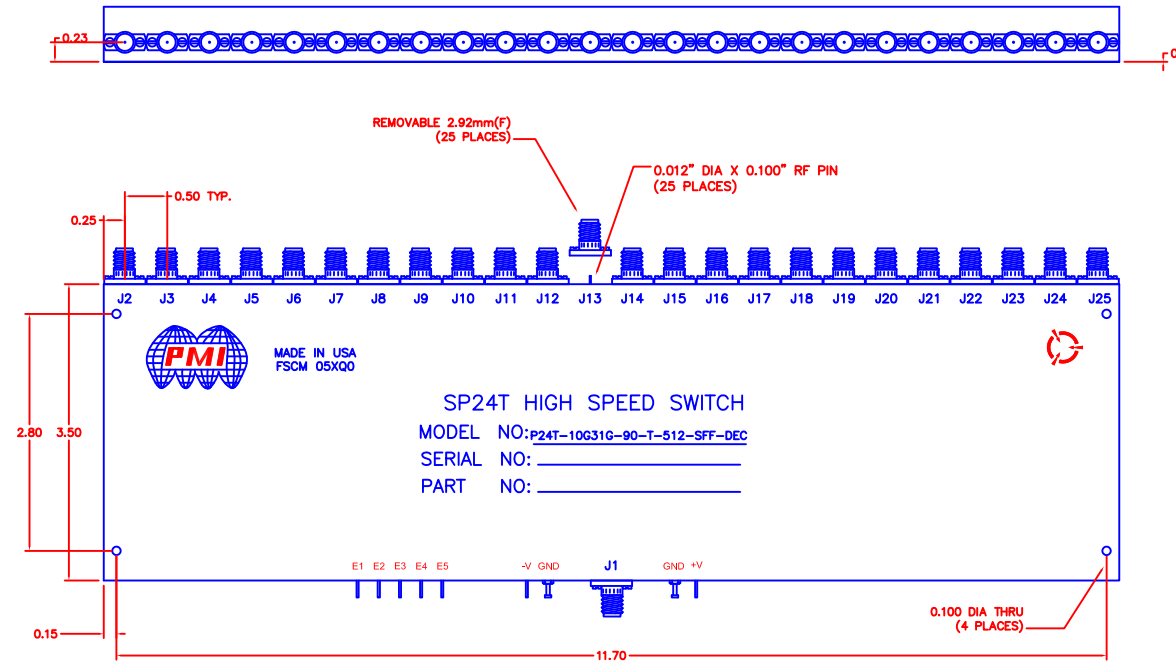
DESCRIPTION:

PMI MODEL NUMBER P24T-10G31G-90-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: 90dB 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 OUT TABLE	
Pin No.	Function
1	E1
2	E2
3	E3
4	E4
5	E5
6	GND
7	+V
8	-V
9	GND

LOGIC TABLE					
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"

LOGIC TABLE - CONT					
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

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APPROVALS		DATE	TITLE	
DRAWN <i>JPH</i>		11/28/22	PRODUCT FEATURE P24T-10G31G-90-T-512-SFF-DEC	
REDRAWN			SIZE A	FSCM NO. 05XQ0
ISSUED			DWG NO. PRELIMINARY	REV. -
SCALE N:S			SHEET 1 OF 1	