

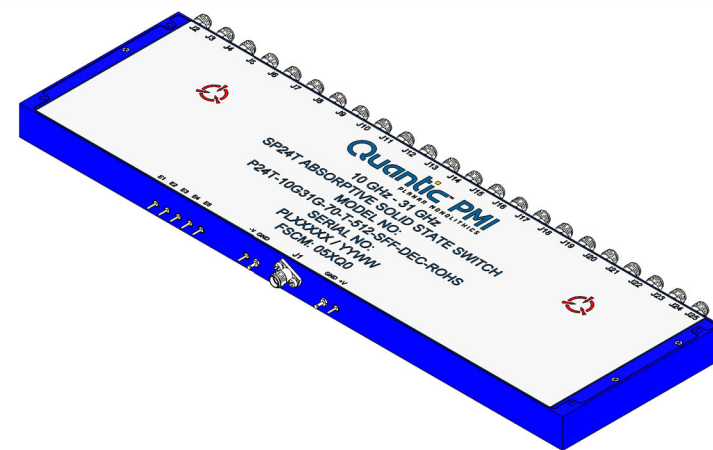
**DESCRIPTION:**

PMI MODEL NUMBER P24T-10G31G-70-T-512-SFF-DEC-ROHS IS A HIGH SPEED, SINGLE POLE, TWENTY-FOUR THROW, ABSORPTIVE SWITCH CAPABLE OF SWITCHING WITHIN 100ns. THE FREQUENCY RANGE IS 10.0 GHz TO 31.0 GHz AND THIS SWITCH HAS OVER 70 dB OF ISOLATION. THIS PRODUCT IS ROHS AND REACH COMPLIANT.

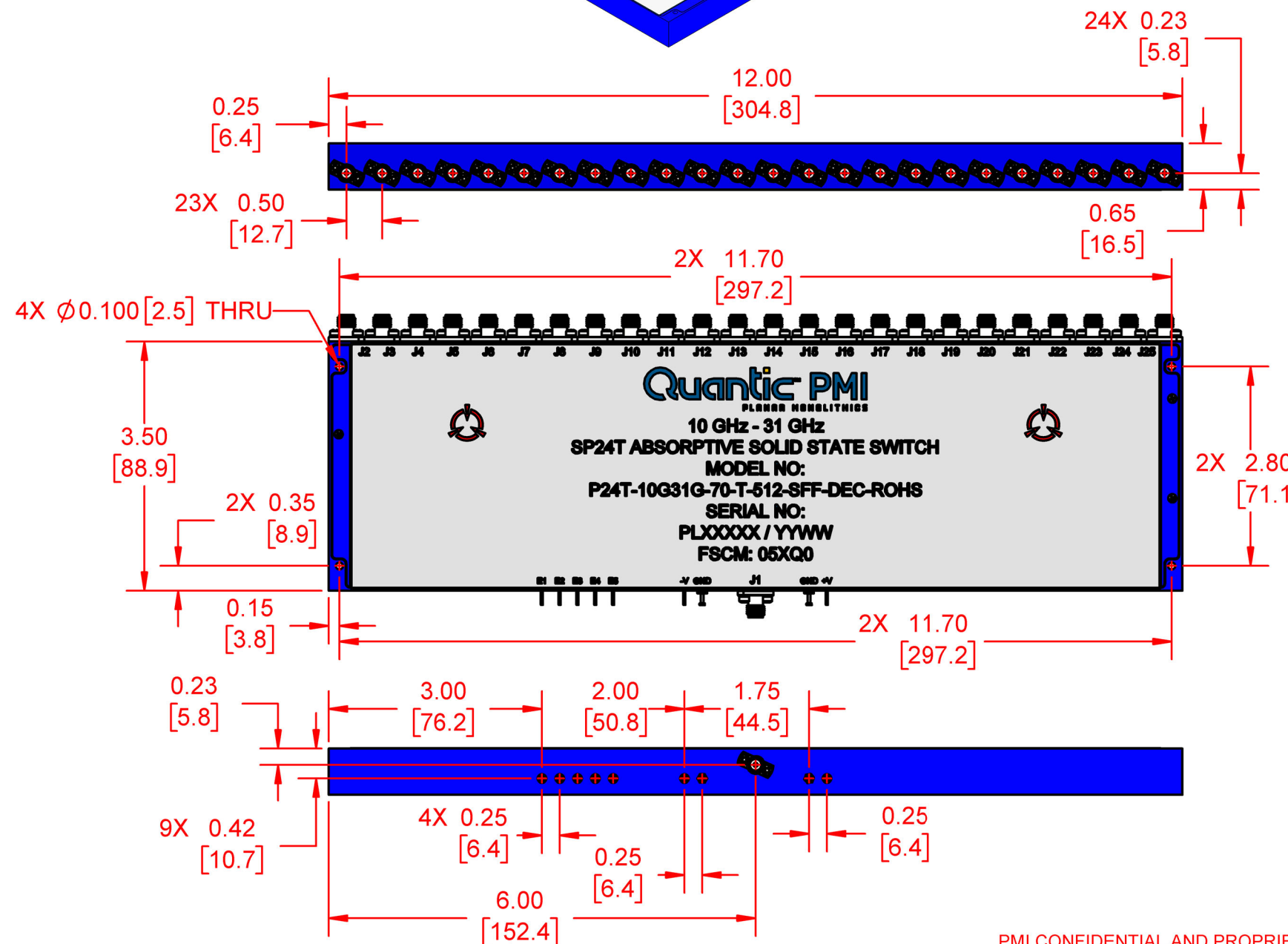
**SPECIFICATIONS:**

- FREQUENCY RANGE:..... 10.0 TO 31.0 GHz
- ISOLATION:..... 70 dB MIN
- INSERTION LOSS:..... 12 dB goal, 14 dB MAX
- VSWR (IN/OUT):..... 2.0:1 MAX
- OPERATING POWER :..... +23 dBm CW
- SWITCHING SPEED:..... 100 ns MAX
- DC VOLTAGE AND CURRENT :..... +5 V @ 1200 mA  
-5 V @ 250 mA
- CONNECTORS:..... 2.92 mm (F) REMOVABLE
- FINISH:..... PAINTED BLUE
- SIZE:..... 12.0" X 3.5" X 0.65"

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	6/14/2023	



LOGIC TABLE					
5 BIT TTL 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	0	J1-J8 "LOW LOSS"
0	0	1	1	1	J1-J9 "LOW LOSS"
0	1	0	0	0	J1-J10 "LOW LOSS"
0	1	0	0	1	J1-J11 "LOW LOSS"
0	1	0	1	0	J1-J12 "LOW LOSS"
0	1	0	1	1	J1-J13 "LOW LOSS"
0	1	1	0	0	J1-J14 "LOW LOSS"
0	1	1	0	1	J1-J15 "LOW LOSS"
0	1	1	1	0	J1-J16 "LOW LOSS"
0	1	1	1	1	J1-J17 "LOW LOSS"
1	0	0	0	0	J1-J18 "LOW LOSS"
1	0	0	0	1	J1-J19 "LOW LOSS"
1	0	0	1	0	J1-J20 "LOW LOSS"
1	0	0	1	1	J1-J21 "LOW LOSS"
1	0	1	0	0	J1-J22 "LOW LOSS"
1	0	1	0	1	J1-J23 "LOW LOSS"
1	0	1	1	0	J1-J24 "LOW LOSS"
1	0	1	1	1	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: SPECIFICATIONS WILL VARY OVER TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE	TITLE	
DRAWN M. HANKEN		6/14/2023	OUTLINE	
REISSUED			P24T-10G31G-70-T-512-SFF-DEC-ROHS	
SIZE	FSCM NO.	DWG NO.	REV.	
B	05XQ0	27045600	A1	
SCALE 1:2			SHEET 1 OF 1	

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ARE:  
FRACTIONS DECIMALS ANGLES  
± .XX ± 0.02 ±  
± .XXX ± 0.01

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