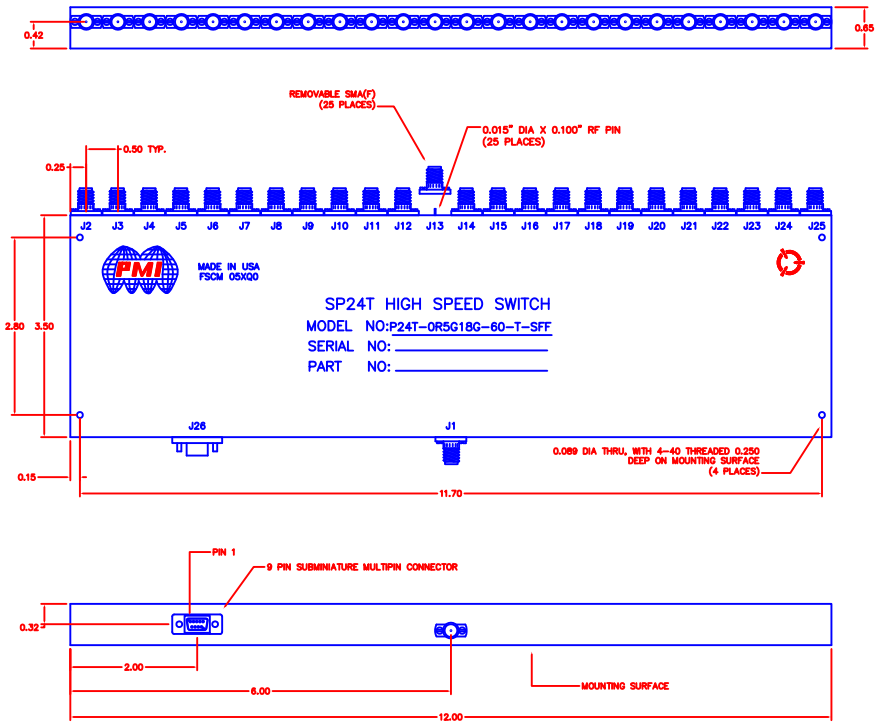
DESCRIPTION:

PMI MODEL NUMBER P24T-0R5G18G-60-T-SFF IS A SINGLE POLE, TWENTY-FOUR THROW ABSORBTIVE SWITCH DESIGNED TO OPERATE OVER THE 500MHZ TO 18GHZ FREQUENCY RANGE. THIS MODEL IS DESIGNED TO MAINTAIN LOW INSERTION LOSS, HIGH ISOLATION, AND FAST SWITCHING SPEED.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	1/11/11	

SPECIFICATIONS:

- FREQUENCY: 0.5 GHz TO 18.0 GHz
- INSERTION LOSS: 8.5dB MAX.
- ISOLATION: 60dB MINIMUM
- VSWR: 2.0:1 MAX.
- SPEED: 100ns MAXIMUM
- POWER INPUT: +20dBm CW MAXIMUM
- CONTROL: 5 BIT - TTL LOGIC - SEE LOGIC TABLE
- POWER SUPPLY: +5V @ 1200mA NOMINAL
  -5V @ 100mA NOMINAL
- CONNECTORS: SMA FEMALE CONNECTORS
- CONNECTORS: MICRO SUB-D 9 PIN



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
DRAWN KM	1/11/11
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE
P24T-0R5G18G-60-T-SFF

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	PRELIMINARY	—

SCALE N:S SHEET 1 OF 1