

**DESCRIPTION:**

PMI MODEL P16T-812-65-515-SFF-MICROD-DEC IS A SINGLE POLE 16 THROW SOLID STATE REFLECTIVE SWITCH OPERATING OVER THE 8 TO 12 GHz FREQUENCY RANGE. THIS MODEL OFFERS A MAXIMUM INSERTION LOSS OF 8 dB WHILE MAINTAINING A MINIMUM ISOLATION OF 65 dB.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	1/23/2024	

**SPECIFICATIONS:**

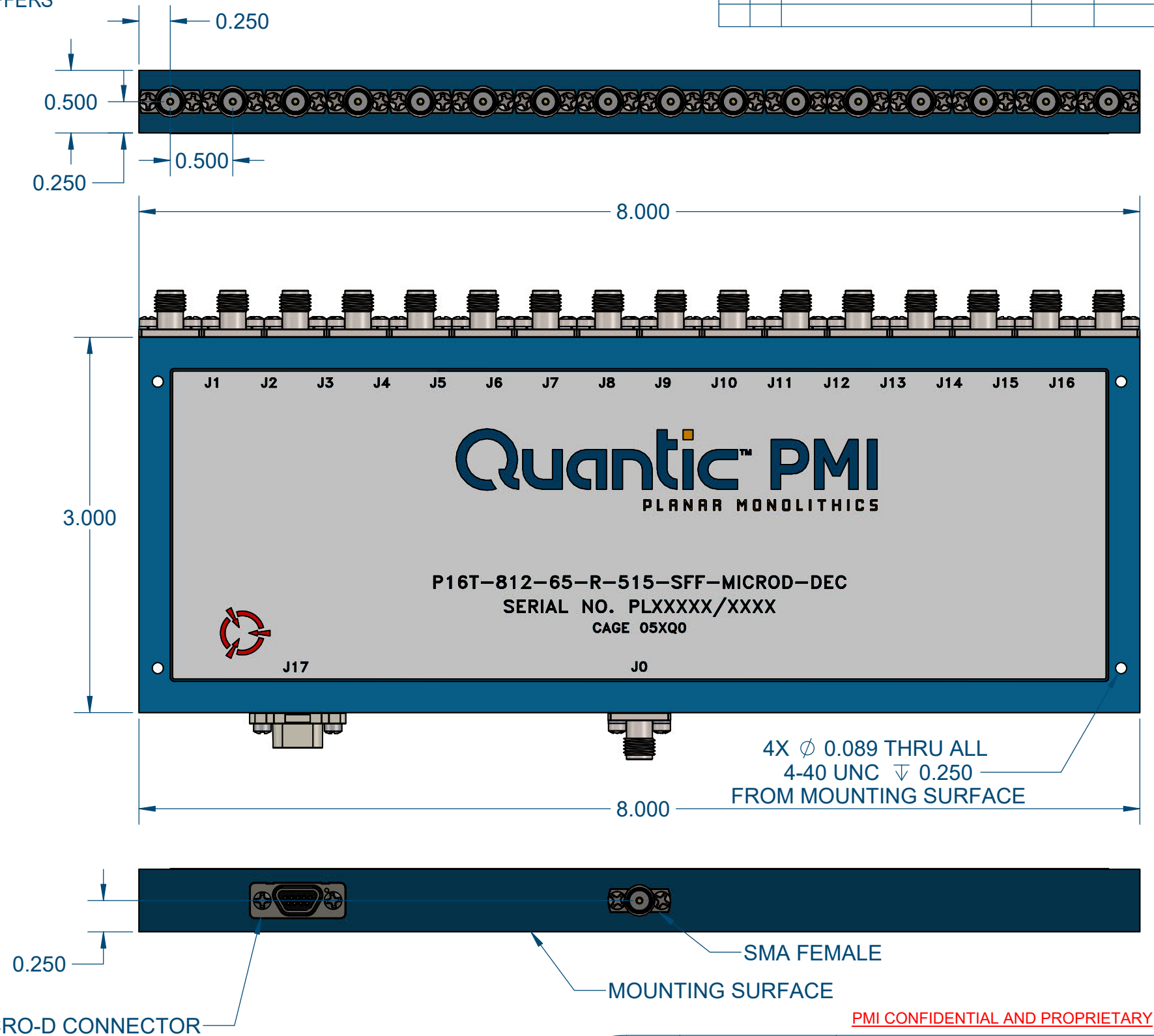
- FREQUENCY RANGE:..... 8 TO 12 GHz
- INSERTION LOSS:..... 8 dB MAX
- VSWR (ON/OFF):..... 2:1 MAX
- NOISE FIGURE:..... 8 dB MAX
- PHASE MATCH:..... ±10 DEGREES MAX, ±5 DEGREES GOAL
- CHANNEL ISOLATION:..... 65 dB MIN
- AMPLITUDE MATCH:..... ± 0.5 dB MAX
- SWITCHING SPEED:..... 150 ns MAX
- INPUT POWER:..... 18 dBm MAX
- POWER SUPPLY:..... +5 TO +15 V  
-5 TO -15 V
- CONTROL:..... TTL BINARY DECODED (SEE LOGIC TABLE)
- CONNECTORS:..... SMA REMOVABLE (FIELD REPLACEABLE)  
9 PIN MICRO-D
- FINISH:..... PAINTED BLUE

J17		LOGIC TABLE				
PIN	FUNCTION	C1	C2	C3	C4	CONNECTOR
1	+12V	0	0	0	0	J1
2	+12V	0	0	0	1	J2
3	GND	0	0	1	0	J3
4	GND	0	0	1	1	J4
5	C1	0	1	0	0	J5
6	C2	0	1	1	0	J7
7	C3	0	1	1	1	J8
8	C4	1	0	0	0	J9
9	NC	1	0	0	1	J10
		1	0	1	0	J11
		1	0	1	1	J12
		1	1	0	0	J13
		1	1	0	1	J14
		1	1	1	0	J15
		1	1	1	1	J16

**ENVIRONMENTAL RATINGS:**

- TEMPERATURE:..... -40°C TO +85°C (OPERATING)  
-55°C TO +125°C (STORAGE)
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107

NOTE: SPECIFICATIONS WILL VARY OVER TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION



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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS    DECIMALS    ANGLES ±                .XX ± 0.02                ± .XXX ± 0.01		<table border="1"> <thead> <tr> <th>APPROVALS</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DRAWN <b>M.LAULIS</b></td> <td>1/23/2024</td> </tr> <tr> <td>REDRAWN</td> <td></td> </tr> <tr> <td>ISSUED</td> <td></td> </tr> </tbody> </table>		APPROVALS	DATE	DRAWN <b>M.LAULIS</b>	1/23/2024	REDRAWN		ISSUED		<p><b>Quantic PMI</b> PLANAR MONOLITHICS 7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731 WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM ISO 9001 CERTIFIED</p>	
APPROVALS	DATE												
DRAWN <b>M.LAULIS</b>	1/23/2024												
REDRAWN													
ISSUED													
TITLE PRODUCT FEATURE P16T-812-65-R-515-SFF-MICROD-DEC		SIZE B	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. 1								
SCALE 1:1		SHEET 1 OF 1											