

DESCRIPTION

PMI MODEL NO. PQP-3D15-8D75-14D15-21D8-S5F IS A QUADRAPLEXER WITH TYPICAL CENTER FREQUENCIES OF 3.15 GHz @ CH1, 8.75 GHz @ CH2, 14.15 GHz @ CH3, AND 21.8 GHz @ CH4. IT HAS A MAXIMUM VSWR OF 2.0:1 AND A MAXIMUM INPUT POWER OF 1 WATT. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS

- CENTER FREQUENCY CH1: ----- 3.15 GHz TYP
- CENTER FREQUENCY CH2: ----- 8.75 GHz TYP
- CENTER FREQUENCY CH3: ----- 14.15 GHz TYP
- CENTER FREQUENCY CH4: ----- 21.8 GHz TYP
- BANDWIDTH CH1 @ -1 dB: ----- 1.0 GHz MIN, 5.3 GHz MAX
- BANDWIDTH CH2 @ -1 dB: ----- 5.9 GHz MIN, 11.6 GHz MAX
- BANDWIDTH CH3 @ -1 dB: ----- 12.8 GHz MIN, 15.5 GHz MAX
- BANDWIDTH CH4 @ -1 dB: ----- 17.1 GHz MIN, 26.5 GHz MAX
- INSERTION LOSS @ UP TO 16.3 GHz: --- 1.8 dB MAX
- INSERTION LOSS @ 16.3 TO 26.5 GHz: -- 2.5 dB MAX
- VSWR: ----- 2.0:1 MAX
- REJECTION CH1 @ DC TO 0.7 GHz, @ 6.095 GHz: ----- 50 dB MIN
- REJECTION CH2 @ 5.015 GHz, @ 13.34 GHz: ----- 50 dB MIN
- REJECTION CH3 @ 10.88 GHz, @ 17.825 GHz: ----- 50 dB MIN
- REJECTION CH4 @ 14.535 GHz, @ 30.475 GHz: ----- 50 dB MIN
- INPUT POWER: ----- 1 WATT MAX
- IMPEDANCE: ----- 50 OHMS
- CONNECTORS: ----- SMA FEMALE
- FINISH: ----- PAINTED BLUE

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -45 °C TO +85 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
- 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 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

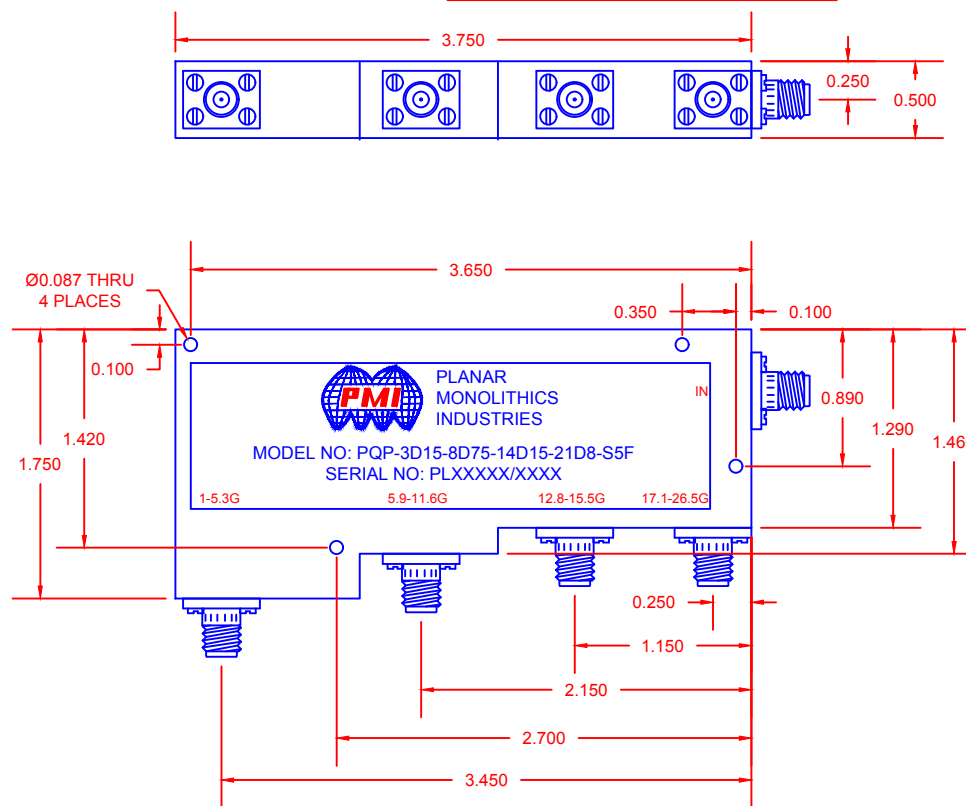
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

ALL DIMENSIONS
ARE IN INCHES [mm]
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	12/17/2019	

MECHANICAL OUTLINE



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APPROVALS		DATE	TITLE				REV.
DRAWN <i>EW</i>		12/17/19	PRODUCT FEATURE PQP-3D15-8D75-14D15-21D8-S5F				-
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY		
ISSUED			SCALE N:S		SHEET 1 OF 1		