

DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER PMIMA-26-4C-PD2-BPF-M IS AN INTEGRATED MICROWAVE ASSEMBLY CONSISTING OF 4 INDEPENDENT CHANNELS. EACH CHANNEL INCORPORATES A 2-WAY POWER DIVIDER AND A BANDPASS FILTER.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	06/13/19	
	2	UPDATE SPECS	07/17/19	

SPECIFICATIONS:

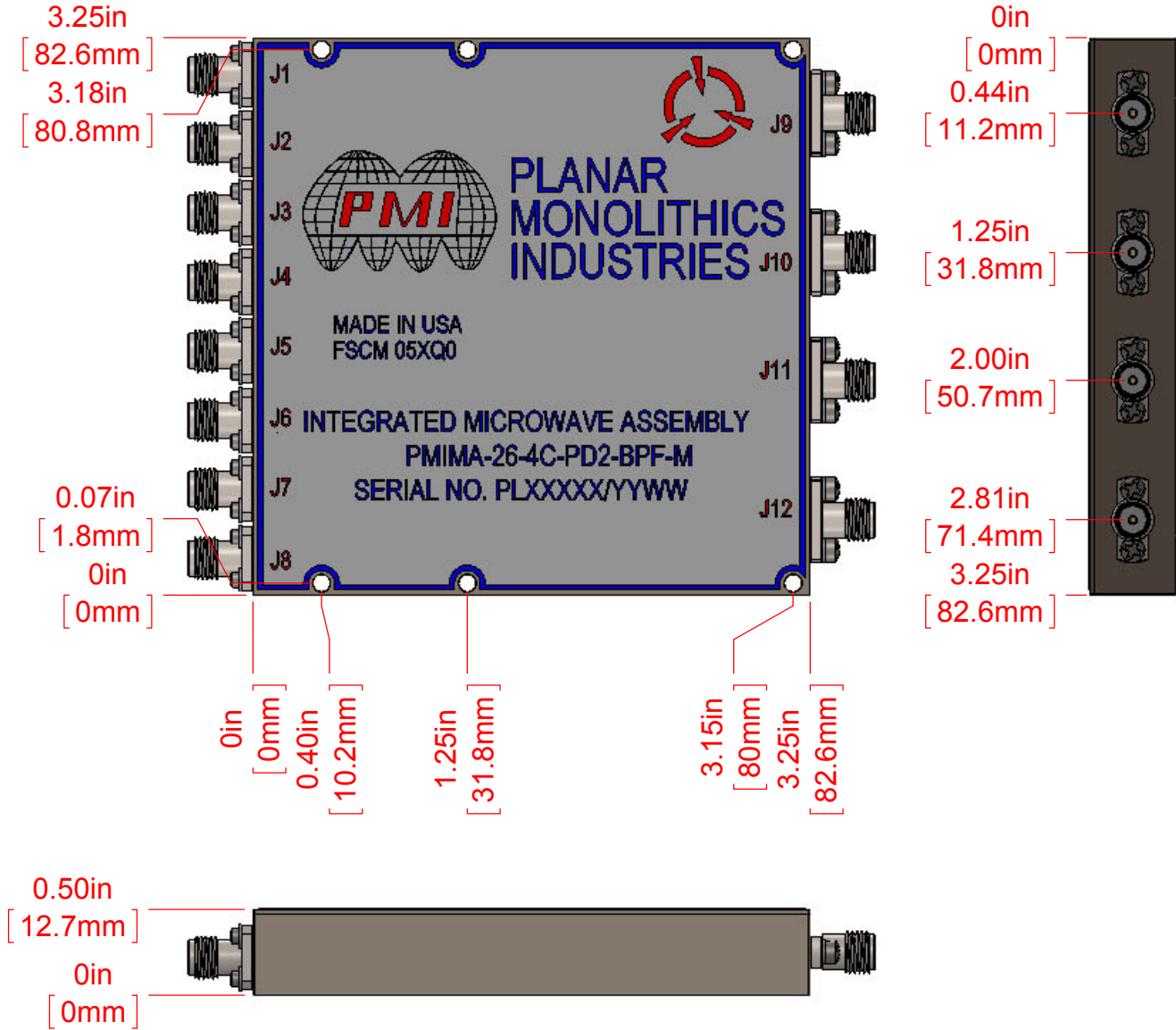
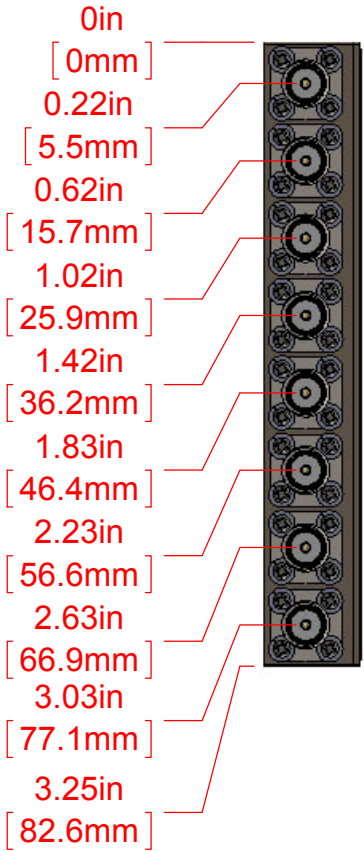
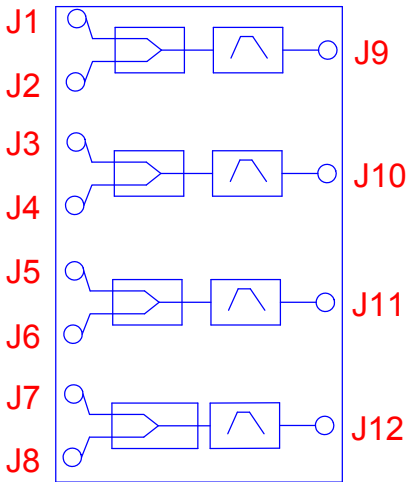
EACH CHANNEL

- FREQUENCY:.....2 - 6 GHz
- INSERTION LOSS:.....4.5 dB MAX (ABOVE 3 dB)
- VSWR:.....2.0 : 1 MAX
- ISOLATION:.....15 dB MIN
- AMPLITUDE BALANCE (3-5 GHz):.....± 0.5 dB MAX, ± 0.1 dB GOAL
- PHASE BALANCE (3-5 GHz):.....± 5° MAX, ± 1° GOAL
- FILTER PASSBAND.....3 - 5 GHz
- FILTER REJECTION.....: BELOW 2667 MHz >= 55 dB
ABOVE 5333 MHz >= 55 dB
- PASSBAND FLATNESS:.....± 1 dB (3.2 - 4.8 GHz)
- WEIGHT:.....400 g
- CONNECTORS:.....SMA FEMALE X 12
BLUE EPOXY POLIMIDE COATING
IAW MIL - C - 22750, TYPE I OVER EPOXY
- FINISH:.....POLIMIDE PRIMER IAW MIL-P-23377,
TYPE I, CLASS 1 OR 3.

CHANNEL TO CHANNEL

- NUMBER OF CHANNELS:.....4
- ISOLATION:.....60 dB MIN

BLOCK DIAGRAM



ENVIRONMENTAL RATINGS:

- TEMPERATURE:.....0°C TO +50°C (OPERATING)
-40°C TO +70°C (STORAGE)
- HUMIDITY:.....MIL-STD-202, 5 TO 95% NON-CONDENSING
- SHOCK:.....RTCA/DO-160G, SECTION 7.0 COMPLIANT
- VIBRATION:.....RTCA/DO-160G, SECTION 8 TABLE 8-1 FOR FIXED WING TURBOFAN, CATEGORY S CURVE C
- ALTITUDE:.....MIL-STD-202, 15000 FT
- FUNGI:.....RTCA/DO-160G, SECTION 13 /MIL-STD-810F, METHOD 508.5 (FUNGUS)
- FLAMMABILITY:.....RTCA/DO-313

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION.

PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± ± .XXX ± 0.01		APPROVALS		DATE		PMI CONFIDENTIAL AND PROPRIETARY			
		DRAWN		GJR		06/13/19		PMI	
		REDRAWN						7311-F GROVE ROAD FREDERICK, MARYLAND 21704 USA TEL: (301)-662-5019, FAX: (301)-662-1731 WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com ISO 9001 CERTIFIED	
		ISSUED						TITLE	
								OUTLINE	
								PMIMA-26-4C-PD2-BPF-M	
								SIZE	
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								FSCM NO.	
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								DWG NO.	
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