

DESCRIPTION

PMI MODEL DPX-18G26R5G40G IS AN ULTRA SMALL LOW LOSS DIPLEXER FOR USE OVER THE FREQUENCY RANGE OF 18 TO 40 GHz. THIS MODEL IS DESIGN TO HAVE A CROSSOVER FREQUENCY AT 26.5 GHz, AND GREATER THAN 60 dB OF REJECTION.

SPECIFICATIONS

- INSERTION LOSS (PASSBAND) :.....2dB MAX
- VSWR (PASSBAND) :.....2.5 : 1 MAX
- DIPLEXER K BAND 1dB PASSBAND:.....18 GHz MIN., 25 GHz MAX.
- DIPLEXER Ka BAND 1dB PASSBAND:.....28 GHz MIN., 40 GHz MAX.
- CROSSOVER BAND:.....25 GHz MIN., 28 GHz MAX.
- CROSSOVER EXCESS ATTENUATION:.....5 dB TYP
- STOPBAND ATTENUATION:.....60 dB
- K BAND (STOPBAND) :.....32 GHz - 46 GHz
- Ka BAND (STOPBAND) :.....DC-22GHz
- CONNECTORS INPUT/OUTPUT:.....2.92mm FEMALE
- SIZE:.....0.80" (L) X 0.60" (W) X 0.38" (H)
- WEIGHT:.....0.5 OZ. TYP.
- FINISH:.....BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

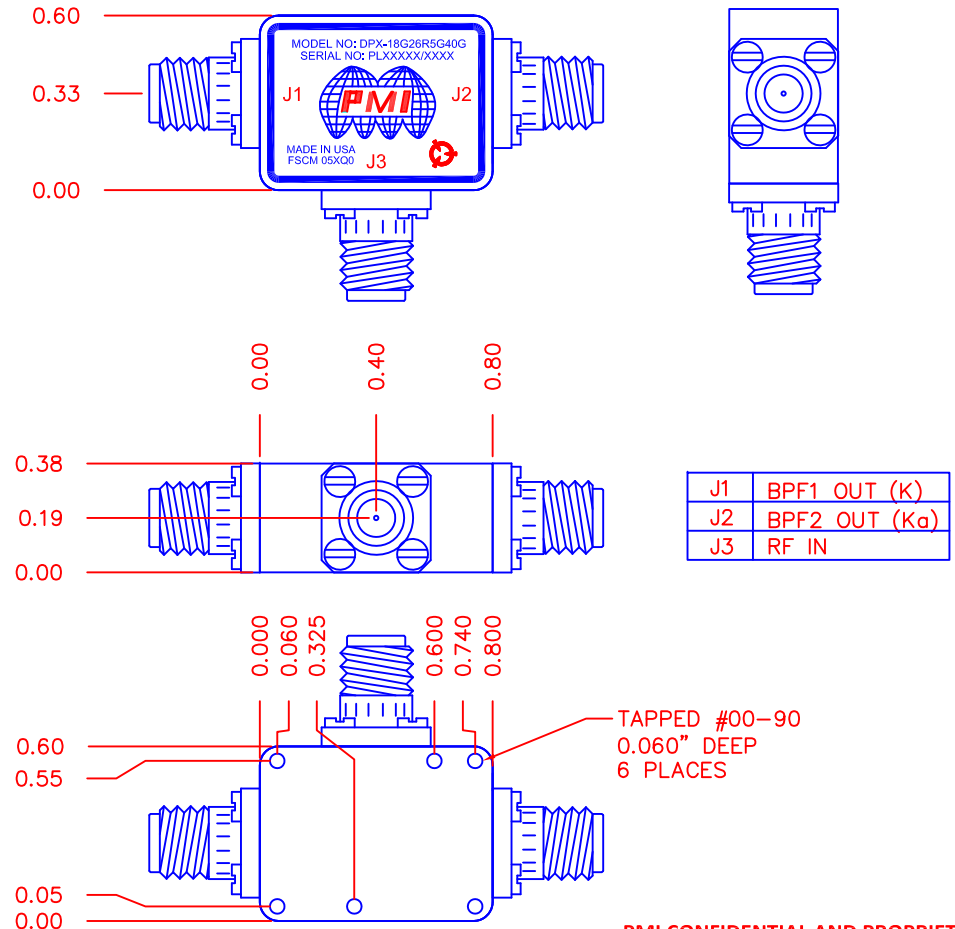
ENVIRONMENTAL RATINGS

- TEMPERATURE:.....-40°C TO +85°C (OPERATING BASE PLATE)
-65°C TO +125°C (STORAGE)
+25°C (SPEC)
- 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 107D COND. A
- THERMAL SHOCK:.....MIL-STD-202F, METHOD 107D COND. A

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	12/30/15	
A1		ECN # 16-0196	12/08/16	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN		12/30/15	PRODUCT FEATURE		
REDRAWN			DPX-18G26R5G40G		
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	05XQ0	27028461
			SCALE	N: S	SHEET 1 OF 1

NOTES:
1) DIMENSIONS ARE IN INCHES
2) TOLERANCES: X.XX ±0.020
X.XXX ±0.010