

DESCRIPTION

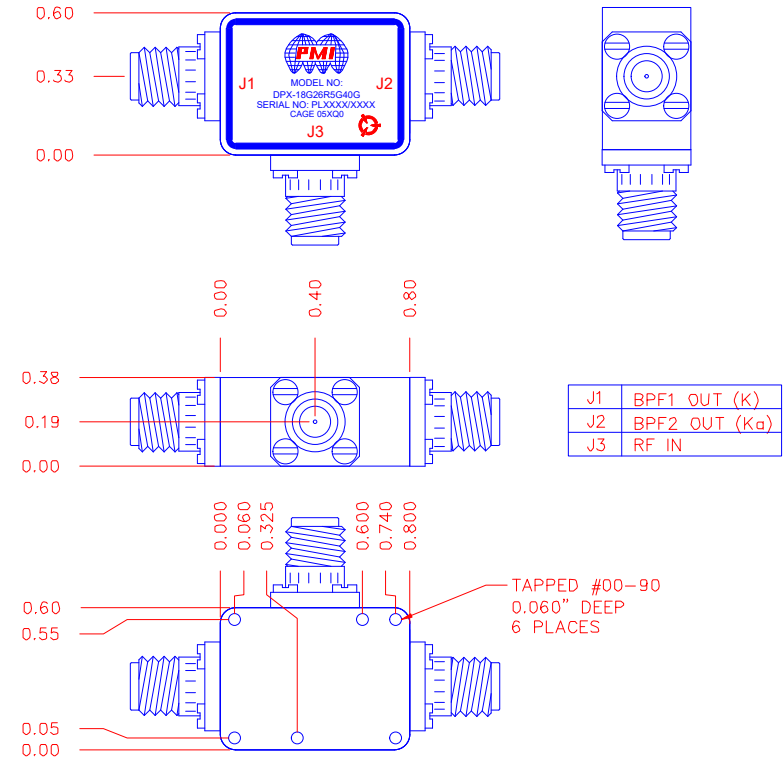
PMI MODEL DPX-18G26R5G40G IS AN ULTRA SMALL LOW LOSS DIPLEXER FOR USE OVER THE FREQUENCY RANGE OF 18 TO 40 GHz. THIS MODEL IS DESIGN TO HAVE A CROSSOVER FREQUENCY AT 26.5 GHz, AND GREATER THAN 60 dB OF REJECTION.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	12/30/15	
	A1	ECN # 16-0196	12/08/16	
	B1	ECN # 26-0096	5/6/26	

SPECIFICATIONS

- INSERTION LOSS (PASSBAND):.....(K) 3.00 dB
(K_α) 2.00 dB
- VSWR (PASSBAND):.....3.6 : 1 MAX
- DIPLEXER K BAND 1dB PASSBAND:.....18 GHz MIN., 25 GHz MAX.
- DIPLEXER K_α 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(REJECTION):.....60 dB - (K) 32 TO 46 GHz
60 dB - (K_α) DC TO 22 GHz
- K BAND (STOPBAND):.....32 GHz - 46 GHz
- K_α BAND (STOPBAND):.....DC-22GHz
- CONNECTORS INPUT/OUTPUT:.....2.92mm FEMALE
- WEIGHT:.....0.5 OZ. TYP.
- FINISH:.....PAINTED BLUE

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS

- TEMPERATURE:.....-40°C TO +85°C (OPERATING BASE PLATE)
-65°C TO +125°C (STORAGE)
+25°C (SPEC)
- HUMIDITY:.....MIL-STD-202, METHOD 103 COND. B
- SHOCK:.....MIL-STD-202, METHOD 213 COND. B
- VIBRATION:.....MIL-STD-202, METHOD 204 COND. B
- ALTITUDE:.....MIL-STD-202, METHOD 105 COND. B
- TEMPERATURE CYCLE:.....MIL-STD-202, METHOD 107 COND. A
- THERMAL SHOCK:.....MIL-STD-202, METHOD 107 COND. A

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

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

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ISO 9001 CERTIFIED

APPROVALS		DATE	TITLE		
DRAWN <i>MEB</i>		12/30/15	PRODUCT FEATURE DPX-18G26R5G40G		
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. 27028461
ISSUED			SCALE N: S		REV. B1
				SHEET	1 OF 1