

DESCRIPTION

PMI MODEL: CL30G-24G-CD-292FF IS A BAND PASS FILTER WITH A CENTER FREQUENCY OF 30.0 GHz AND A NOMINAL BANDWIDTH OF 24.0 GHz. THIS UNIT HAS A MAXIMUM INSERTION LOSS OF 2.0 dB INSIDE THE SMALL 1.75" x 0.55" x 0.39" PACKAGE OUTFITTED WITH 2.92 mm FEMALE CONNECTORS.

SPECIFICATIONS

- CENTER FREQUENCY: ----- 30.0 GHz
- PASSBAND FREQUENCY: ----- 18.0 TO 42.0 GHz
- PASSBAND INSERTION LOSS: ----- 2.0 dB TYPICAL
- PASSBAND VSWR: ----- 1.5:1 TYPICAL
- REJECTION: ----- 70 dBc MINIMUM @ DC TO 15.0 GHz
50 dBc MINIMUM @ 15.0 TO 16.0 GHz
30 dBc MINIMUM @ 16.0 TO 17.0 GHz
30 dBc MINIMUM @ 43.0 TO 44.0 GHz
50 dBc MINIMUM @ 44.0 TO 45.0 GHz
70 dBc MINIMUM @ 45.0 TO 46.0 GHz
- POWER HANDLING: ----- 37 dBm (5 W) MAXIMUM
- CONNECTORS: ----- 2.92 mm FEMALE
- SIZE: ----- 1.75" x 0.55" x 0.39"
44.45 mm x 14.00 mm x 10.00 mm
- SURFACE 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

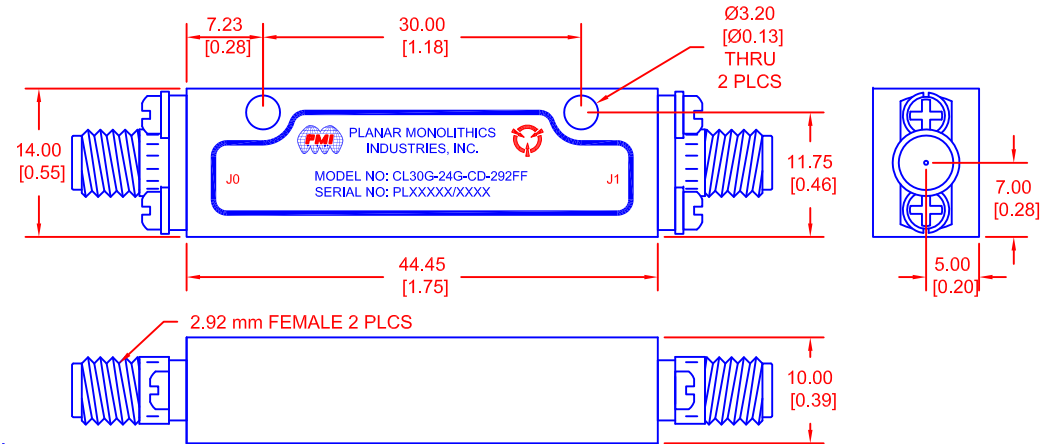
- TEMPERATURE: ----- -55 °C TO +85 °C (OPERATING)
- HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
- SHOCK: ----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- MIL-STD-202, METHOD 107D COND. A

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

ALL DIMENSIONS ARE IN mm [INCH]
TOLERANCES:
X.XX ±0.508 [0.020]
X.XXX ±0.254 [0.010]

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	04/08/16	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			REV.
DRAWN <i>M. Berry</i>		04/08/16	PRODUCT FEATURE CL30G-24G-CD-292FF			-
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	
ISSUED			SCALE N:S		SHEET 1 OF 1	