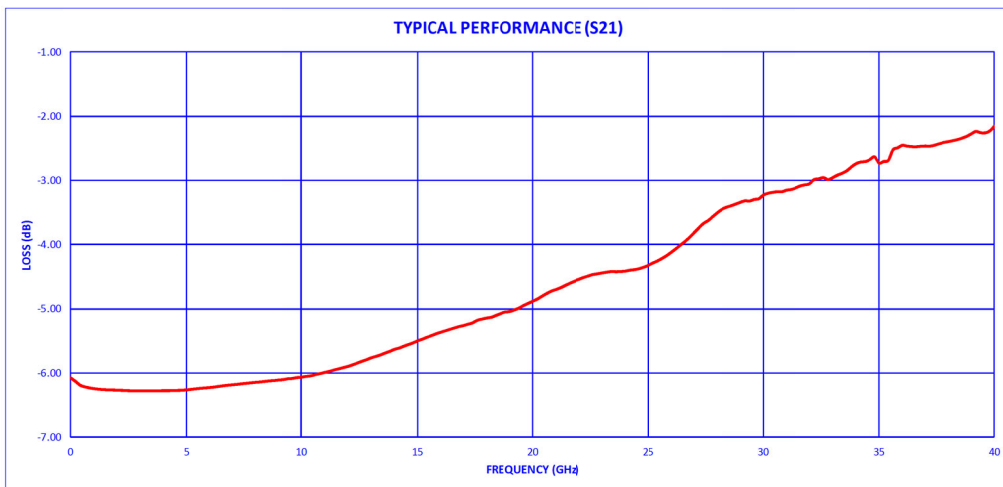


Description:

EQL-DC40-6-292FF IS A DC TO 40 GHz PASSIVE EQUALIZER WITH A 6 dB TYP. LOSS AT 10MHz WITH A INSERTION LOSS OF 2.0 dB TYP. AT 40 GHz. THE EQUALIZER DESIGN ALLOWS BOTH FORWARD AND REVERSE MEASUREMENT TO BE EQUIVALENT.

SPECIFICATIONS

- FREQUENCY RANGE: ----- DC TO 40 GHz
- INSERTION LOSS: ----- 6.0 dB @ 10MHz - 8 GHz TYP.
2.5 dB @ 38 - 40 GHz TYP.
- VSWR: ----- 1.6:1 TYP.
1.8:1 MAX.
- SLOPE:----- 0.15 ± 0.05 dB/GHz TYP.
- AMPLITUDE ACCURACY:----- ± 1 dB TYP. (COMPARED TO BEST FIT STRAIGHT LINE)
- INPUT POWER :----- +30 dBm (1W) MAX.
- WEIGHT: ----- 10g MAX.
- CONNECTORS: ----- 2.92mm FEMALE REMOVABLE
- FINISH: ----- GOLD PLATED



ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -55 °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

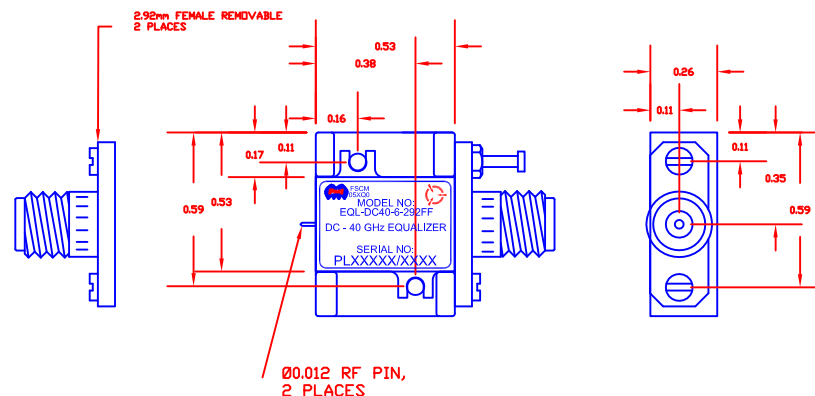
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES

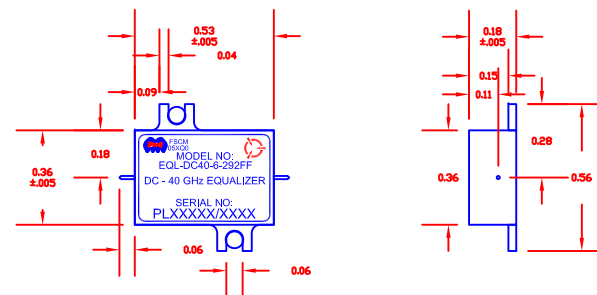
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	Original Release	04/16/20	

HOUSING WITH CARRIER



HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		04/16/20		PRODUCT FEATURE	
CHECKED				EQL-DC40-6-292FF	
ISSUED					
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		27038500	
SCALE		N:S		SHEET	
				1 OF 1	