

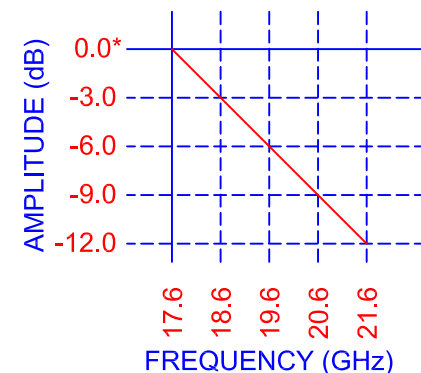
DESCRIPTION:

PMI MODEL NUMBER EQL-17D6G21D6G-12DB-292MF IS A PASSIVE AMPLITUDE EQUALIZER PROVIDING THE FOLLOWING SPECIFICATIONS. THIS EQUALIZER HAS A NEGATIVE SLOPE WHICH SIMULATES CABLE LOSS.

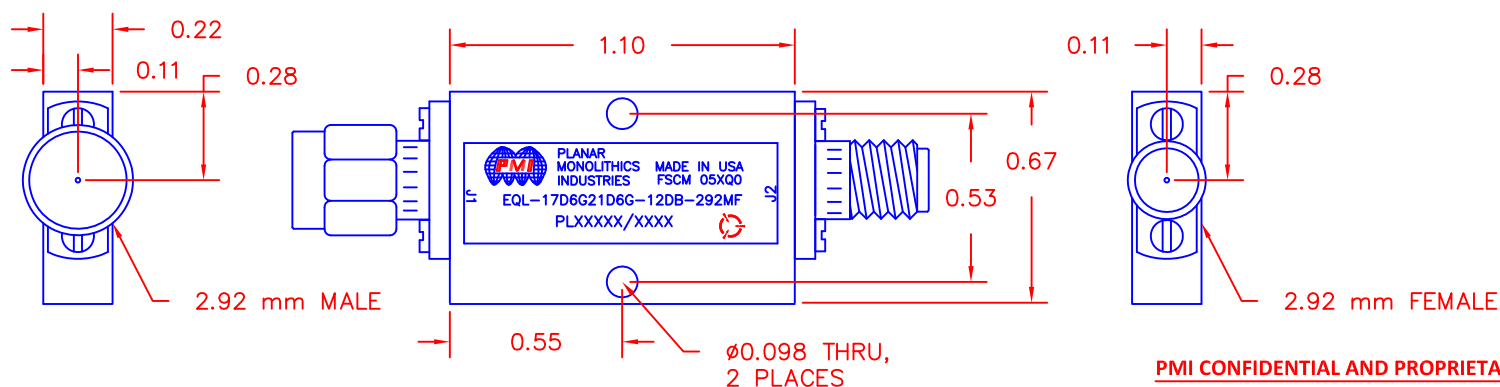
SPECIFICATIONS:

- FREQUENCY: 17.6 GHz TO 21.6 GHz
- MAXIMUM INPUT POWER: 0.5 WATTS CW
- VSWR: 2.0 :1 MAX
- AMPLITUDE @ 17.6 GHz: -1 dB MIN
- SLOPE: AMPLITUDE @ 17.6 GHz
AMPLITUDE - 12 dB @ 21.6 GHz
 $\text{AMPLITUDE} = -3 \text{ dB} / \text{GHz} * (\text{FREQUENCY ABOVE } 17.6 \text{ GHz in GHz}) + (\text{AMPLITUDE @ } 17.6 \text{ GHz})$
- LINEARITY: $\pm 0.5 \text{ dB}$
- CONNECTORS: 2.92 mm MALE J1
2.92 mm FEMALE J2
- 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.

AMPLITUDE VS. FREQUENCY



*0 dB = AMPLITUDE AT 17.6 dB



PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -40°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- 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 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ± 0.020
X.XXX ± 0.010

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN <i>DPD</i>		7/25/14		PRODUCT FEATURE	
CHECKED				EQL-17D6G21D6G-12DB-292MF	
ISSUED					
SIZE	FSCM NO.	OWG NO.	REV.		
A	05XQ0	27024021	A1		
SCALE N:S		SHEET		1 OF 1	