

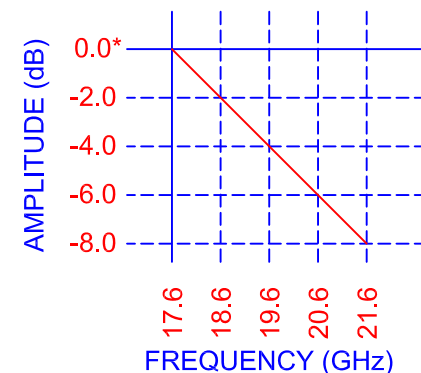
## DESCRIPTION:

PMI MODEL NUMBER EQL-17D6G21D6G-8DB-292MF IS A PASSIVE AMPLITUDE EQUALIZER PROVIDING THE FOLLOWING SPECIFICATIONS. THIS EQUALIZER HAS A NEGATIVE SLOPE WHICH SIMULATES CABLE LOSS.

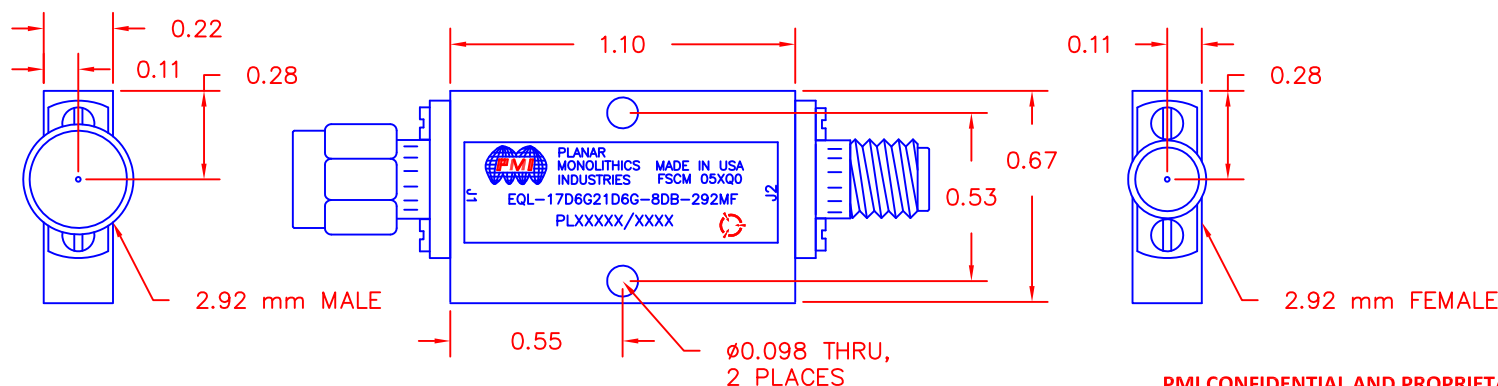
## SPECIFICATIONS:

- 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 - 8 dB @ 21.6 GHz  
 $\text{AMPLITUDE} = -2 \text{ dB} / \text{GHz} * (\text{FREQUENCY ABOVE } 17.6 \text{ GHz in GHz}) + (\text{AMPLITUDE @ } 17.6 \text{ GHz})$
- 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  $\pm 0.020$   
X.XXX  $\pm 0.010$

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ISO 9001 CERTIFIED



| APPROVALS |  | DATE    |  | TITLE                    |          |          |        |
|-----------|--|---------|--|--------------------------|----------|----------|--------|
| DRAWN     |  | 7/25/14 |  | PRODUCT FEATURE          |          |          |        |
| CHECKED   |  |         |  | EQL-17D6G21D6G-8DB-292MF |          |          |        |
| ISSUED    |  |         |  | SIZE                     | FSCM NO. | OWG NO.  | REV.   |
|           |  |         |  | A                        | 05XQ0    | 27023981 | A1     |
|           |  |         |  | SCALE                    | N:S      | SHEET    | 1 OF 1 |