

DESCRIPTION:

PMI MODEL NUMBER EQL-17D5G21D5G+10DB-292MF IS A PASSIVE AMPLITUDE EQUALIZER PROVIDING THE FOLLOWING SPECIFICATIONS. THIS EQUALIZER HAS A POSITIVE SLOPE WHICH EQUALIZES CABLE LOSS.

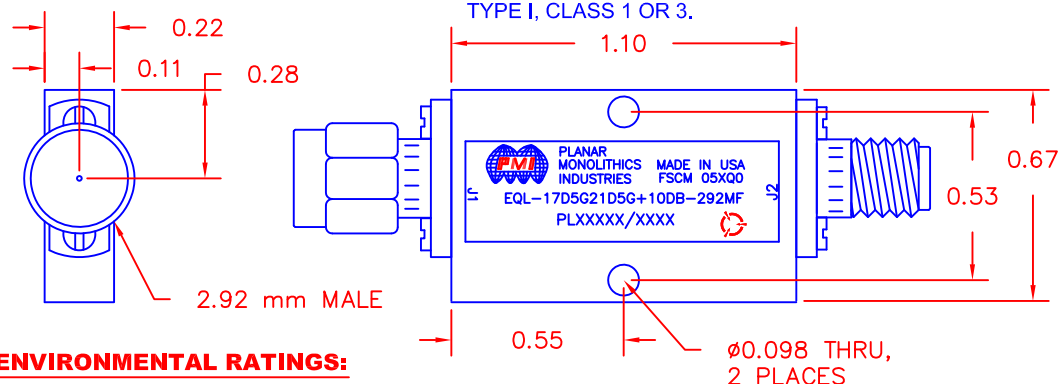
SPECIFICATIONS:

- FREQUENCY: 17.5 GHz TO 21.5 GHz
- MAXIMUM INPUT POWER: 0.5 WATT CW
- VSWR: 2.0 :1 MAX
- INSERTION LOSS @ 21.5 GHz: 6 dB MAX
- SLOPE:

FREQUENCY	AMPLITUDE*
17.5 GHz	-10.2 dB
18 GHz	-9.5 dB
18.5 GHz	-8.6 dB
19 GHz	-7.6 dB
19.5 GHz	-6.4 dB
20 GHz	-5 dB
20.5 GHz	-3.4 dB
21 GHz	-1.7 dB
21.5 GHz	0 dB

*ADD INSERTION LOSS @ 21.5 GHz TO ALL VALUES

- ACCURACY @ DEFINED POINTS: ± 1.8 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.



ENVIRONMENTAL RATINGS:

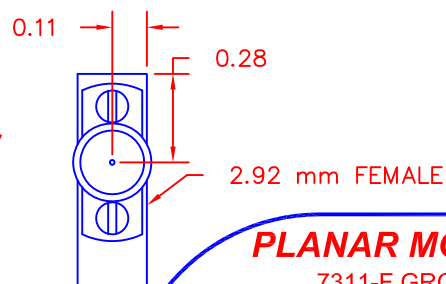
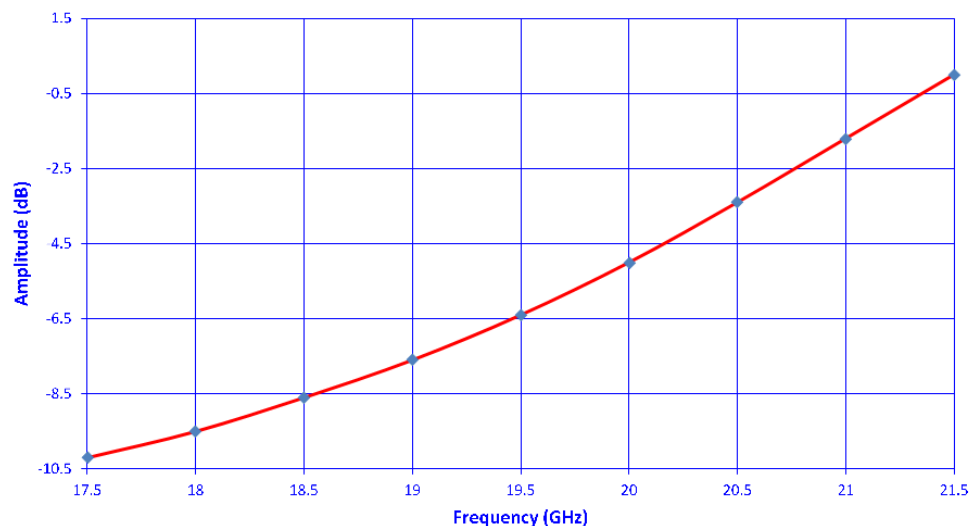
- TEMPERATURE: -40°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	A1	ORIGINAL RELEASE	9/23/14
	B1	ECN # 16-0001	1/5/16

Amplitude (dB) Vs. Frequency (GHz)



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE		
DRAWN		DATE		PRODUCT FEATURE		
CHECKED		DATE		EQL-17D521D5+10DB-292MF		
ISSUED		DATE		SIZE	FSCM NO.	REV.
				A	05XQ0	B1
				SCALE	N:S	
				SHEET		1 OF 1