

DESCRIPTION

PMI MODEL PEC-85-725M1275M-17LM-12-SFF IS A LIMITING AMPLIFIER WITH THE FREQUENCY RANGE OF 725MHz TO 1275MHz AND INCLUDES THE FOLLOWING SPECIFICATIONS:

SPECIFICATIONS

- FREQUENCY RANGE:725 TO 1275 MHz
- GAIN:81dB +8/-5dB (76 to 89dB) Typical
- LINEAR GAIN VARIATION OVER
OPERATING FREQUENCY RANGE: ...+/-2.0dB Max. (-30C to +95C)
+/-3.0dB Max. (-40C to -30C)
- LIMITED RF OUTPUT:+15.5dBm to +18.5dBm
- OPERATING INPUT POWER:-55 to +10dBm
- NOISE FIGURE:5dB Typ.
- VSWR (INPUT/OUTPUT):2.0:1 Max.
- DC SUPPLY:+12VDC WITH INTERNAL
VOLTAGE PROTECTION
AND REVERSE VOLTAGE
PROTECTION.
- DC CURRENT:425mA Typical
- FINISH GOLD PLATED

ENVIRONMENTAL RATINGS

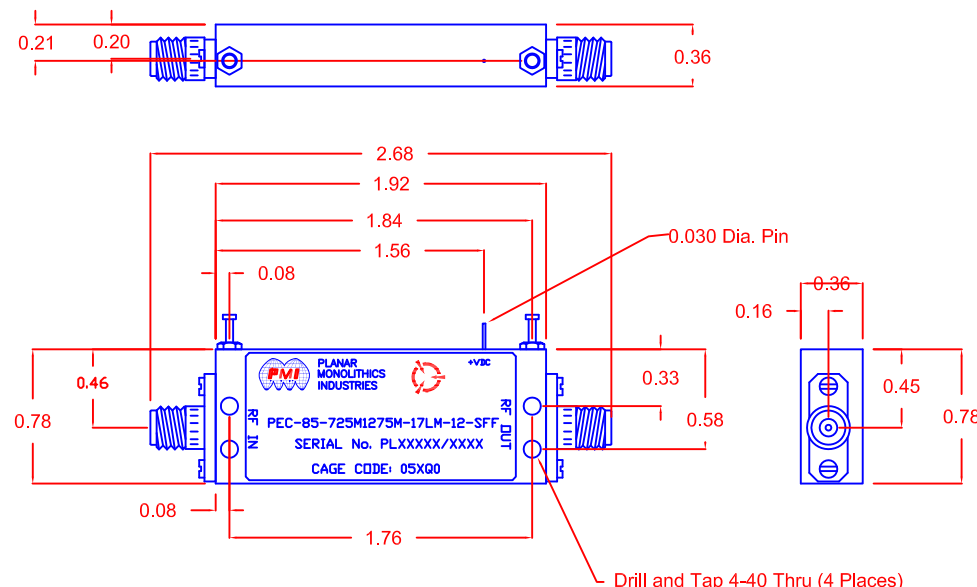
- TEMPERATURE:-40°C TO + 95°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:MIL-STD-202F, METHOD 103B COND. B
- SHOCK:MIL-STD-202F, METHOD 213B COND. B
- VIBRATION:MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE:MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE:MIL-STD-202F, METHOD 107D COND. A

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
	-	PRELIMINARY	1/12/15	

MECHANICAL OUTLINE



CONFIDENTIAL & PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001:2008 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN	<i>KM</i>		1/12/15	OUTLINE DRAWING	
CHECKED				PEC-85-725M1275M-17LM-12-SFF	
ISSUED				SIZE	FSCM NO.
				A	05XQ0
				DWG NO.	PRELIMINARY
				SCALE	N:S
				SHEET	1 OF 1