

DESCRIPTION

PMI MODEL NO. AMP-12-50M18G-USB IS A STATE-OF-THE-ART AMPLIFIER THAT OPERATES FROM 50MHz TO 18GHz. THIS AMPLIFIER IS POWERED VIA USB 2.0. THIS MODEL OFFERS 12dB OF GAIN WITH AN OUTPUT AT 1dB GAIN COMPRESSION OF +10dBm. THE PACKAGE SIZE IS 2.25" X 1.0" X 0.33"

SPECIFICATIONS

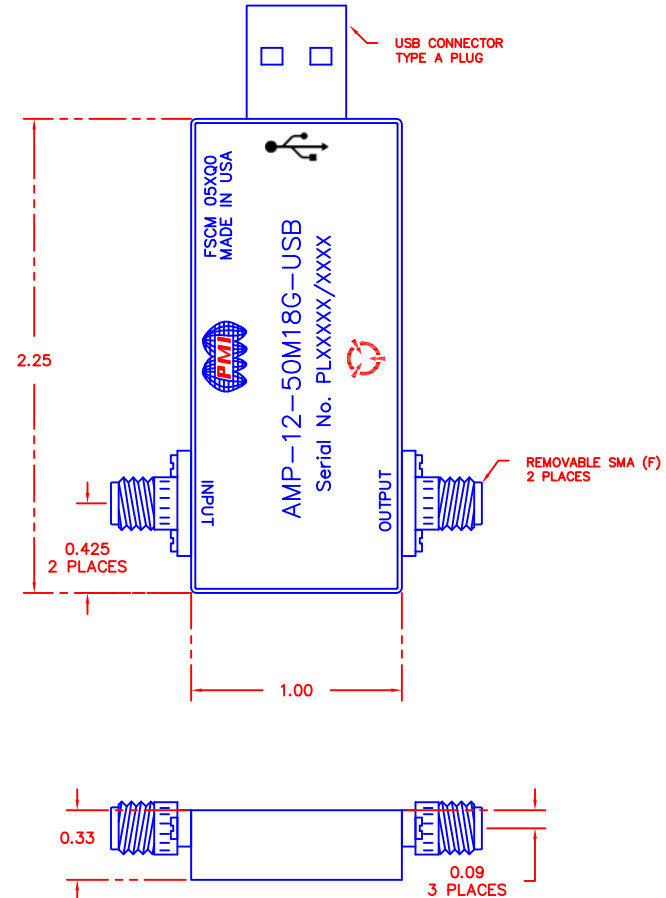
- FREQUENCY:0.05 TO 18.0GHz
- GAIN:12dB TYP
- GAIN FLATNESS:±2.5dB TYP
- VSWR IN / OUT:2.3:1 TYP
- OP1dB:+10dBm TYP
- NOISE FIGURE:4.5dB TYP
- DC SUPPLY:USB 2.0
- CONNECTORS:SMA (F)
- FINISH:GRAY EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.
- SIZE:(L) 2.25" X (W) 1.00" X (H) 0.33"

ENVIRONMENTAL RATINGS

- TEMPERATURE:-40°C TO +85°C OPERATING
-55°C TO +125°C NON-OPERATING

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	6/24/14	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

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 ISO 9001 CERTIFIED



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

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
 NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

APPROVALS		DATE	TITLE OUTLINE DRAWING AMP-12-50M18G-USB		
DRAWN VR		6/24/14	SIZE A	FSCM NO. 05XQ0	DWG NO. 27022482
CHECKED			SCALE N: S		REV. 1
ISSUED			SHEET		1 OF 1