

DESCRIPTION:

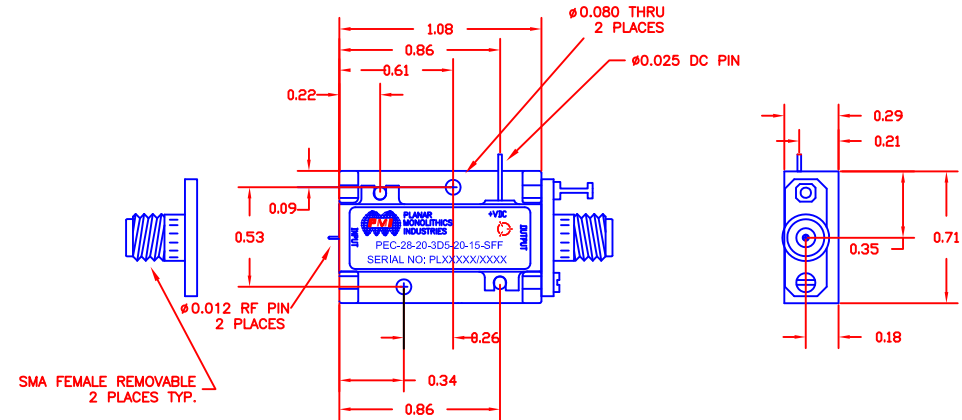
PEC-28-20-3D5-20-15-SFF IS A 2 TO 8 GHz AMPLIFIER WITH A GAIN OF 19 dB TYP. AND A GAIN FLATNESS OF ± 1.0 dB. THIS MODEL HAS A NOISE FIGURE OF 3.5 dB TYP AND USES FEMALE SMA FIELD REPLACEABLE CONNECTORS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	Preliminary	9/22/21	

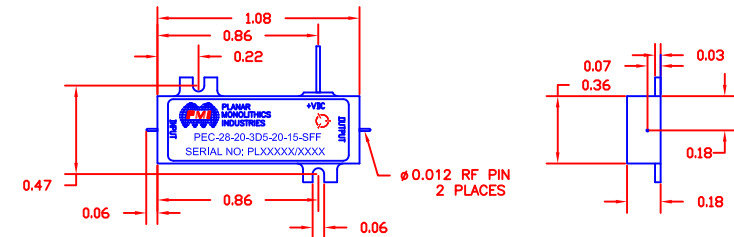
SPECIFICATIONS @ +25°C Unless Otherwise Noted

	MIN	TYP	MAX	UNITS	CONDITION
FREQUENCY RANGE:	2.0		8.0	GHz	
GAIN:	18.5	19.0	21.0	dB	
GAIN FLATNESS:			± 1.0	dB	Over Freq Within Gain Window
GAIN MATCHING:		± 0.5		dB	Unit to Unit Per Order vs Freq
NOISE FIGURE:		3.5	4.5	dB	
POWER OUTPUT : @ 1 dB COMPRESSION POINT	+20	+21		dBm	
VSWR INPUT:		1.6:1	2.0:1		
VSWR OUTPUT:		1.6:1	2.0:1		
OUTPUT IP3:		+29		dBm	Two-Tone (Output)
MAX INPUT POWER:			+18	dBm	CW (Without Damage)
DC POWER:	+12		+15	VDC	(+18 VDC Absolute Max)
CURRENT:		375		mA	
SIZE:	1.50 x 0.86 x 0.35		inches		
CONNECTORS:	SMA FEMALE				(Field Replaceable)
FINISH:	GOLD PLATED				

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS

- TEMPERATURE: 0 °C TO +75 °C (OPERATING)
-40 °C TO +95 °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

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 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>P. Heraty</i>		9/22/21	PRODUCT FEATURE PEC-28-20-3D5-20-15-SFF			
CHECKED	SIZE A	FSCM NO. 05XQ0	DWG NO. Preliminary	REV. 1		
ISSUED	SCALE N:S	SHEET 1 OF 1				