

PMI Model Number: PE2-20-1015-20-15-SFF is a 10.0 to 15.0 GHz low noise amplifier. This amplifier is supplied in our standard PE2 housing that can be used as a SMA connectorized or a surface mount component.

Specifications:

Frequency Range:	10.0 to 15.0 GHz
Gain:	20 dB Min.
Gain Flatness:	+/- 2.0 dB Max.
Noise Figure:	3.0 dB Max.
OP1dB:	+16 dBm Min.
VSWR Input/Output:	2.0:1 Typ.
DC Voltage Supply:	+12 to +15V Typ.
DC Current Draw:	350 mA Max.
Connectors In/Out	SMA Female

Internal Voltage Regulation

Unconditional Stability

- Various Package types
- Various Connector types
- Temperature Compensation
- Gain and Phase Matching
- MIL-STD-883 Screening Available

Temperature:	10°C to + 60°C (Operating) -65°C to +125°C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

Note: The above specifications are subject to change or revision.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	1/15/18	
	1	UPDATES	1/16/18	

0.22

0.09

0.53

0.86

1.08

0.86

0.61

Ø0.080 THRU,
2 PLACES

Ø0.025 DC PIN

Ø0.12

0.29

0.36

0.71

SMA (F) REMOVABLE,
2 PLACES

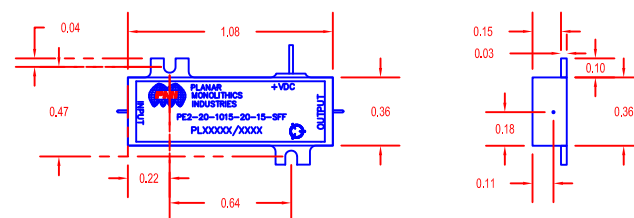
Ø0.012 RF PIN,
2 PLACES

PL3-20-1015-20-15-SFF
PL30000/1000X

+VOC

OUTPUT

PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

		TITLE					
APPROVALS		DATE		PRODUCT FEATURE PE2-20-1015-20-15-SFF			
DRAWN <i>sf</i>		12/15/10					
CHECKED <i>EW</i>		1/15/18					
ISSUED		SIZE A		FSCM NO. 05XQ0		DWG NO. PRELIMINARY	
		SCALE N: S				SHEET 1 OF 1	