

Description:

PMI Model No. PE10-15-220-3R0-15-15-SFF is a Low Noise Amplifier that provides 15dB of gain, a OP1dB of +15dBm and a Noise Figure of 3.5dB. A single voltage of +12 to +15VDC is required and the unit is supplied having SMA Female connectors in a housing that measures 0.75" x 0.43" x 0.31".

This model provides the following performance.

Specifications:

Frequency Range:	2.0 to 20.0 GHz
Gain:	15dB Typ.
Gain Flatness:	+/- 1.5dB Typ.
Noise Figure:	3.5dB Typ.
OP1dB:	15dBm Typ.
VSWR Input/Output:	2.0:1 / 2.0:1 Max.
DC Voltage Supply:	+12 to +15VDC Typ.
DC Current Draw:	80mA Typ.
Connectors In/Out	SMA Female
Finish	Gold Plated

Features:

Internal Voltage Regulation
Unconditional Stability

Available Options:

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

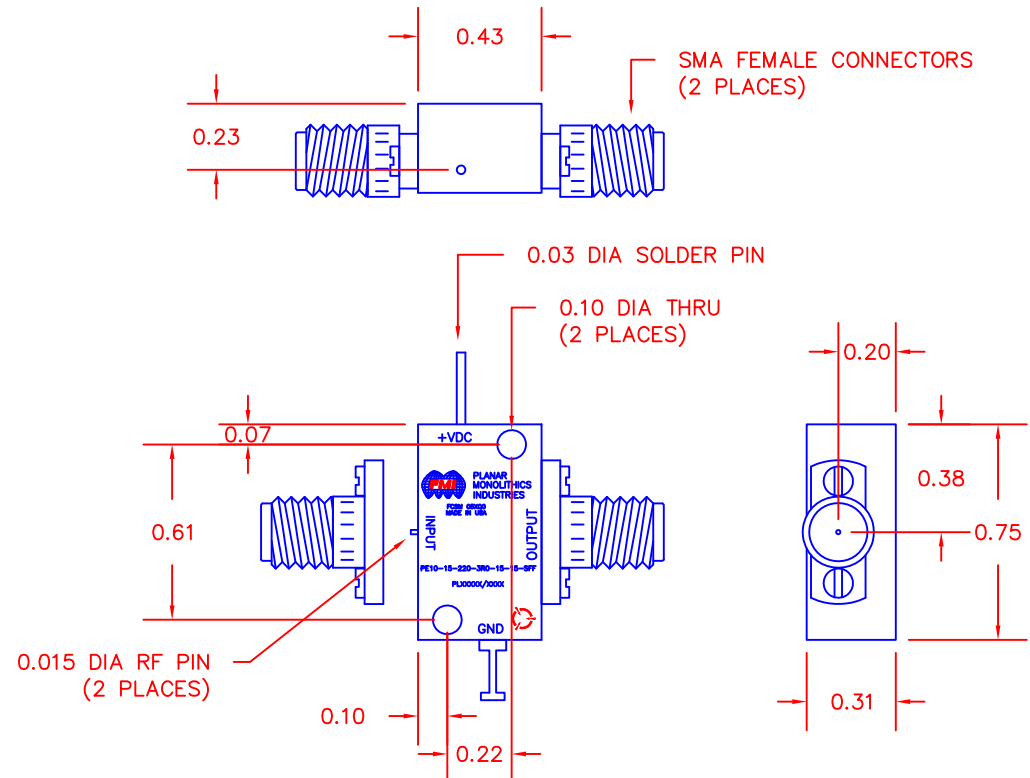
Environmental Ratings:

Temperature:	-40 to +85 Deg. C (Operating); -55 to +125 Deg. 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
	A1	ORIGINAL RELEASE	9/15/15	KM

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001:2008 CERTIFIED



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

APPROVALS		DATE	TITLE		
DRAWN <i>K. MASON</i>		9/15/15	PRODUCT FEATURE		
CHECKED			PE10-15-220-3R0-15-15-SFF		
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	05XQ0	27014202
			SCALE	N:S	SHEET 1 OF 1
					REV. A1