REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	12/10/10	
	A2	ECN # 23-0149	08/10/23	

Description:

PE2-15-8R012R0-3R0-21-12-SFF is a 8 to 12 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.

This model provides the following performance. Data is available upon request.

Specifications:

Frequency Range: ———— 8 to 12 GHz
Gain: ———— 15dB Typ.
Gain Flatness: ———— +/- 0.75dB Typ.
Noise Figure: ———— 3.0dB Typ.
OP1dB: ———— +21dBm Typ.
VSWR Input/Output: ———— 2.0:1 Max.
DC Voltage Supply: ———— +12 to +15VDC
DC Current Draw: ———— 225mA Typ.
Connectors In/Out: ———— SMA Female
Finish: ———— Gold

Features:

Internal Voltage Regulation
Unconditional Stability
Standard Operating Temperature -55 to +85 Deg. C

Available Options:

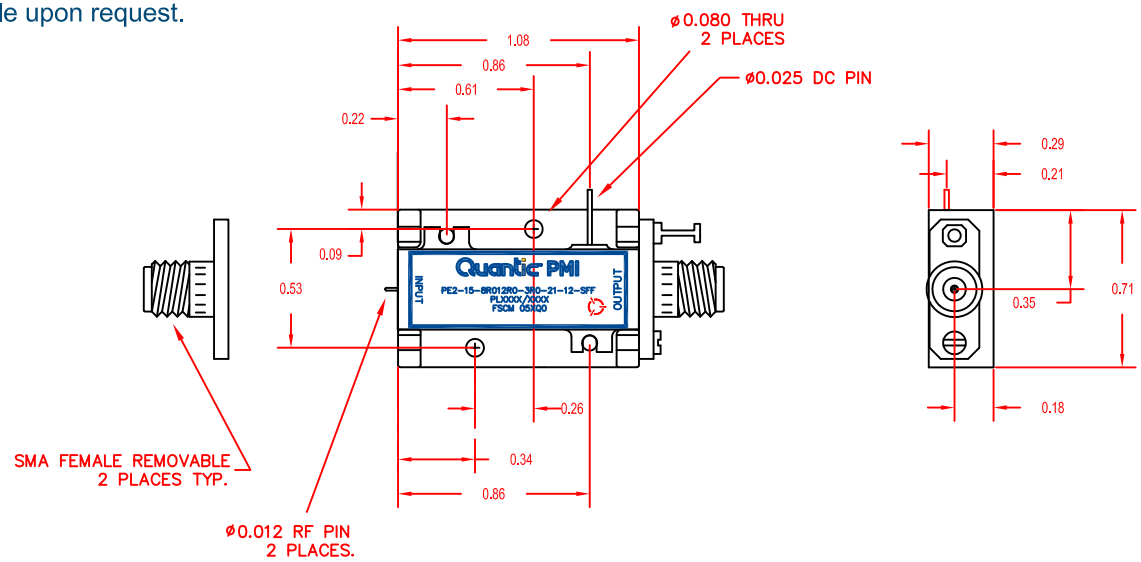
Various Package types
Various Connector types
Temperature Compensation
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

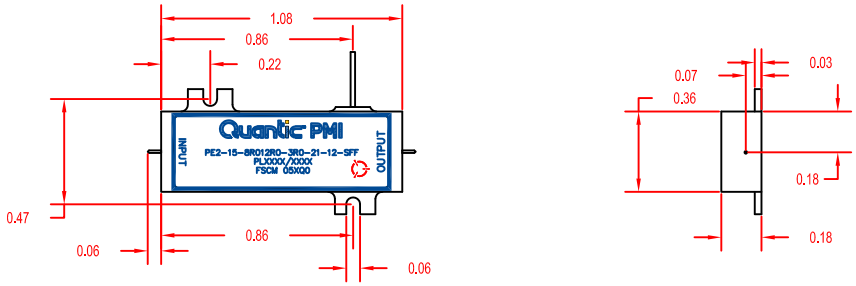
Temperature: ———— -55 to +85 Deg. C (Operating)
———— -65 to +125 Deg. C (Storage)
Humidity: ———— MIL-STD-202F, METHOD 103B COND B.
Shock: ———— MIL-STD-202F, METHOD 213B COND B.
Altitude: ———— MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: ——— MIL-STD-202F, METHOD 107D COND A

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

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

7309-A GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: (301)-662-5019, FAX: (301)-662-1731
WEB: www.quanticpmi.com
EMAIL: sales@quanticpmi.com
ISO 9001 CERTIFIED

Quantic PMI
PLANAR MONOLITHICS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
DECIMALS .XX ± .01DL .XXX ± .010 .XXXX ± 0.005
ANGULAR ± 2°

MATERIAL: 6061-T6 ALUMINUM
FINISH: GOLD PLATED
DO NOT SCALE DRAWING

NEXT ASSY	USED ON
APPLICATION	

APPROVALS	DATE
DRAWN D. DURBIN	08/09/10
REDRAWN	
ISSUED	

TITLE: OUTLINE
PE2-15-8R012R0-3R0-21-12-SFF

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	27011782	A2

SCALE N:S SHEET 1 OF 1