

Description:

Low Noise Amplifier designed for Military and Industrial applications. This amplifier is supplied in our standard PE2 housing can be used as a SMA connectorized or a surface mount component. Other packages and connector types are available.

Specifications:

Frequency Range:2.0 TO 12.0 GHz
Gain:16 dB Typ.
Gain Flatness: ± 1.5 dB Max.
VSWR Input/Output:2.0:1 Max.
Noise Figure:2.5 dB Typ.
OP1dB:10 dBm Min..
DC Voltage Supply:+12 to +15 VDC
DC Current Draw:65 mA Max.
Connectors In/Out:SMA Female
Finish:Gold Plated

Features:

Internal Voltage Regulation
Unconditional Stability

Available Options:

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

Environmental Ratings:

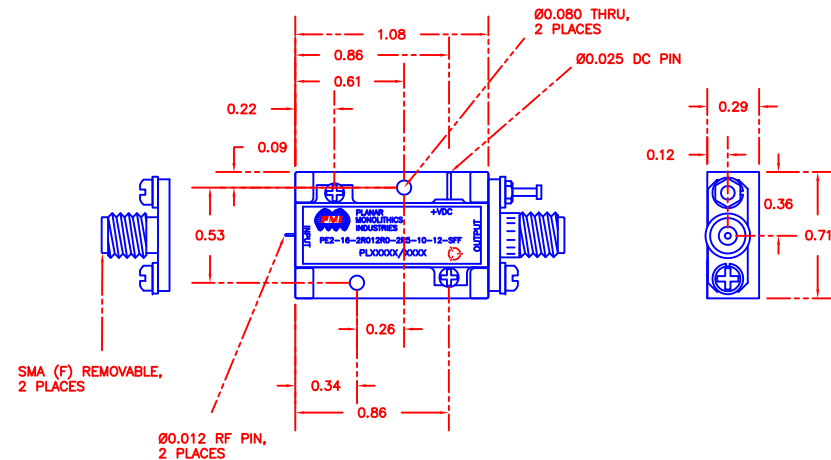
Temperature:-40°C to +85°C (Operating)
.....-40°C to +100°C (Storage)
Humidity:MIL-STD-202F, METHOD 103B COND B.
Shock:MIL-STD-202F, METHOD 213B COND B.
Vibration:MIL-STD-202F, METHOD 204D COND B.
Altitude:MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:MIL-STD-202F, METHOD 107D COND A.

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

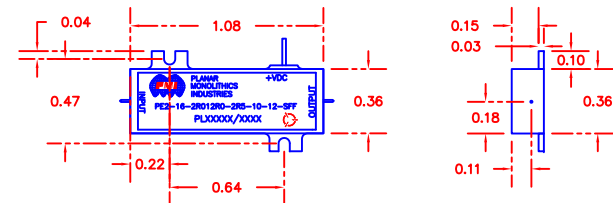
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ± 0.010
X.XXX ± 0.005

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	10/12/16	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



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ISO 9001:2008 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN <i>EMF</i>		10/12/16		PRODUCT FEATURE	
CHECKED				PE2-16-2R012R0-2R5-10-12-SFF	
ISSUED					
SIZE A		FSCM NO. 05XQ0		DWG NO. PRELIMINARY	
SCALE N:S				REV. —	
				SHEET 1 OF 1	