

Description:

PMI Model Number: PEC4-18G22G-1R7-8-23-SFF is a 18.0 to 22.0 GHz low noise amplifier with 23 dB gain. This amplifier is supplied in our standard PEC4 housing. This model provides the following performance.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	11-20-15	JM

Specifications:

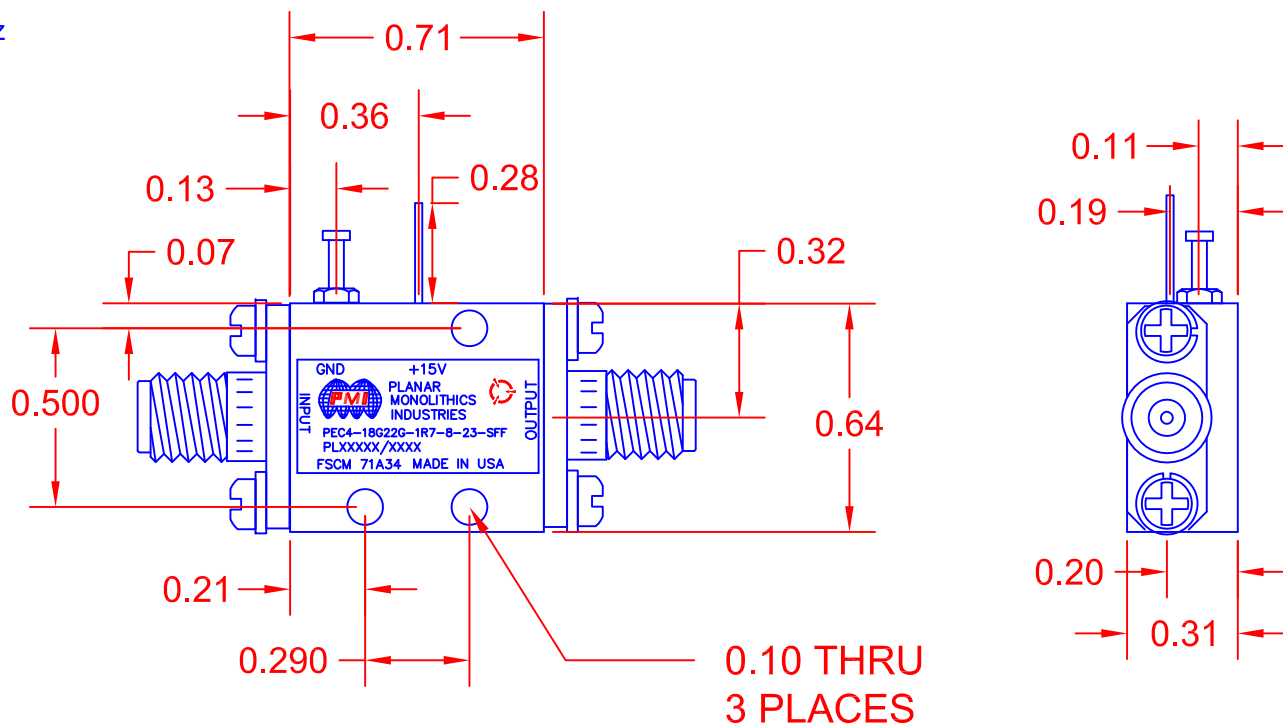
Frequency Range:	18.0 to 22.0 GHz
Gain:	+23 dB Min.
Gain Flatness:	± 1.50 dB Max.
Noise Figure:	1.7 dB Max.
Noise Temperature:	138.9° K Max
OP1dB:	+8 dBm Min.
VSWR Input:	2.2:1 Max.
VSWR Output:	2.2:1 Max.
DC Voltage Supply:	+15V
DC Current Draw:	120 mA Nom.
Connectors In/Out:	SMA Female
Maximum Input:	+20 dBm CW

Features:

Internal Voltage Regulation
Unconditional Stability

Available Options:

Various Package types
Various Connector types
MIL-STD-883 Screening Available



Environmental Ratings:

Temperature:	-40 °C to +75 °C (Operating)
	-65 °C to +110 °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.

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

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE			
DRAWN		JM		PRODUCT FEATURE			
CHECKED		Jfk		PEC4-18G22G-1R7-8-23-SFF			
ISSUED				SIZE	FSCM NO.	DWG NO.	REV.
				A	71A34		—
				PRELIMINARY			
				SCALE	N: S	SHEET	1 OF 1