

Description:

Model Number PEC-53-12-10-15-SFF is a 1.0 GHz to 2.0GHz low noise amplifier. This amplifier has a minimum gain of 53 dB with +/-0.75 dB flatness, OP1dB of +16 dBm minimum and a Noise Figure of 0.7 dB maximum.

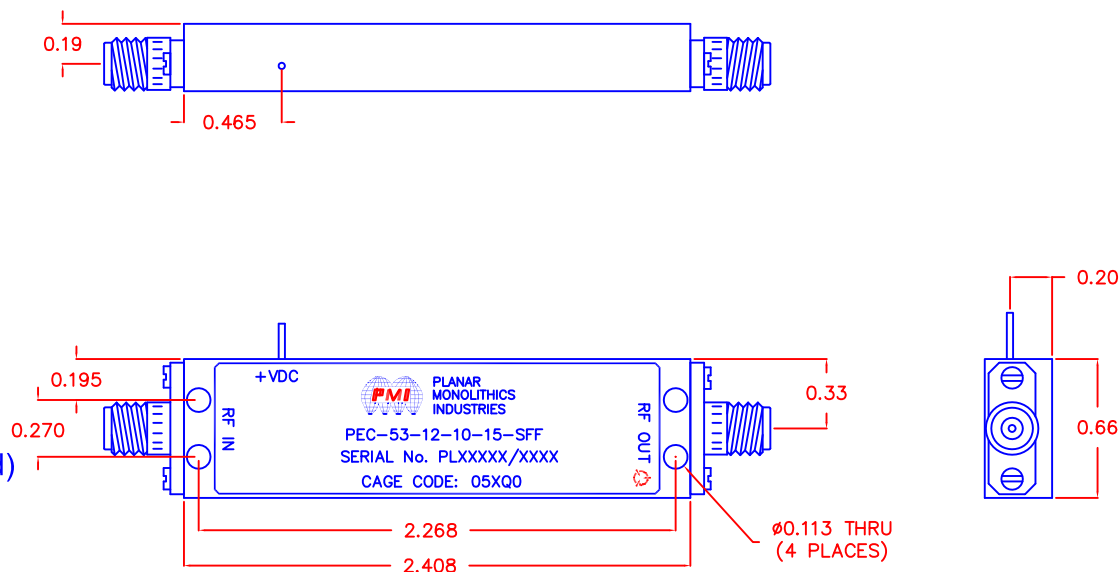
This model provides the following performance.

Specifications:

Frequency:..... 1.0 GHz to 2.0 GHz
Gain:..... 53 dB Minimum
Gain Flatness:..... ± 0.75 dB Maximum
Noise Figure: 0.7 dB Typical
OP1dB:..... +16 dBm Minimum
VSWR In/Out:..... 1.5:1 Maximum
Connectors:..... SMA(F)
DC Current:..... 275 mA Maximum
DC Voltage: +12 to +15 VDC Nominal
Finish:..... Painted Blue (Mounting Surface Unpainted)

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY (—QF)	5/19/15	
	1	ORIGINAL RELEASE	11/18/15	
	A1	ECN # 16-0028	2/10/16	
	B1	ECN # 16-0029	2/10/16	

MECHANICAL OUTLINE



Environmental Ratings:

Temperature: -55°C to +85°C (Operating)
..... -65°C +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.

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

PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE	
DRAWN		5/19/15		PRODUCT FEATURE	
CHECKED				PEC-53-12-10-15-SFF	
ISSUED				1.0 GHz TO 2.0GHz LOW NOISE AMPLIFIER	
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		27002420	
SCALE		N:S		SHEET	
				1 OF 1	