

Description:

Model Number PEC-30-100M500M-2R5-15-12-SFF is a 100 - 500 MHz low noise amplifier that has a gain of 30dB and a Noise Figure of 2.5dB. The OP1dB is >15dBm and the OIP3 is >30dBm.

This model provides the following performance.

Specifications:

Frequency Range: 100 to 500 MHz
Gain: 25dB Minimum
Gain Flatness: +/- 3.0 dB Maximum
Noise Figure: 2.0 dB Typical, 2.5dB Maximum
P1dB: +15 dBm Minimum
OIP3: +30 dBm Minimum
Input Power Handling: +17 dBm CW Maximum
VSWR Input/Output: 1.5:1 / 2.0:1 Typical
DC Voltage Supply: +15VDC
DC Current Draw: 200mA Nominal
Finish: Blue Epoxy Paint
..... Bottom Gold Plated (Unpainted)

Environmental Ratings:

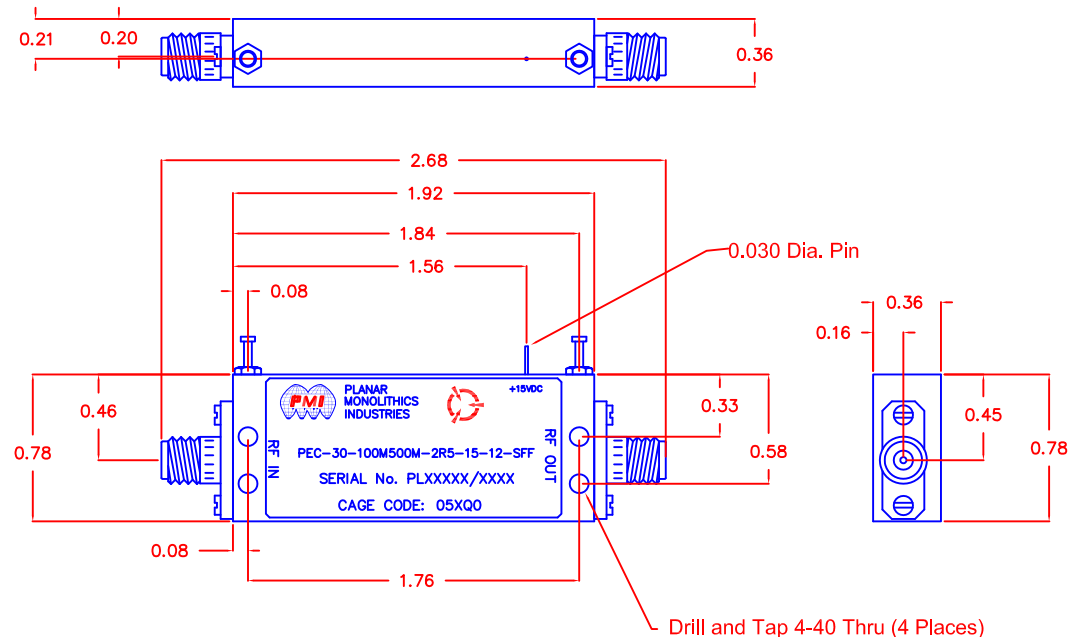
Temperature: -55°C to +85° C (Operating)
..... -65°C +117°C (Storage)
Humidity: MIL-STD-202F, METHOD 103B COND B.
Shock: MIL-STD-202F, METHOD 213B COND B.
Altitude: MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY (—QF)	12/9/14	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE	
DRAWN <i>K. MASON</i>		12/9/14		PRODUCT FEATURE	
CHECKED				PEC-30-100M500M-2R5-15-12-SFF	
ISSUED				PRELIMINARY	
SIZE A		FSCM NO. 05XQ0		DWG NO.	
SCALE N:S				SHEET 1 OF 1	