

Model Number PE2-40-3G18G-3R0-10-15-SFF is a 3 - 18 GHz low noise amplifier. This amplifier has a gain of 40 dB minimum with +/- 1.5 dB flatness and a Maximum Noise Figure of 3.2dB.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/31/14	

Frequency Range:	3 to 18 GHz
Gain:	+40dB Min.
Gain Flatness:	+/- 1.5 dB Max.
Noise Figure:	3.0 dB Max (3.0 to 17.0GHz) 3.2 dB Max.(17.0 to 18.0GHz)
OP1dB:	+10 dBm Min.
VSWR Input/Output:	2.0:1 Max.
DC Voltage Supply:	+12 to 15VDC
DC Current Draw:	280 mA Max.
Finish:	Blue Epoxy Paint Bottom Gold Plated (Unpainted)

Technical drawing of the PE2-40-3G18G-3R0-10-15-SFF antenna, showing dimensions in inches.

Top View Dimensions:

- Overall length: 2.68
- Distance from left edge to center pin: 1.92
- Distance from center pin to right edge: 1.84
- Distance from left edge to left mounting hole: 0.21
- Distance between mounting holes: 0.20
- Distance from right mounting hole to right edge: 0.36
- Pin diameter: 0.030 Dia. Pin

Side View Dimensions:

- Overall height: 0.58
- Distance from bottom edge to mounting holes: 0.46
- Distance from bottom edge to center pin: 0.08
- Distance from bottom edge to top edge: 0.08
- Distance from bottom edge to top edge (center): 1.76
- Distance from bottom edge to top edge (right): 0.33
- Distance from bottom edge to top edge (right): 0.58

End View Dimensions:

- Overall width: 0.45
- Distance from center to edge: 0.16
- Distance from center to edge: 0.36

Antenna Label Information:

- PMI PLANAR MONOLITHICS INDUSTRIES
- PE2-40-3G18G-3R0-10-15-SFF
- SERIAL No. PLXXXX/XXXX
- CAGE CODE: 05XQ0
- +15VDC
- RF IN
- RF OUT

Drill and Tap 4-40 Thru (4 Places)

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

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



		TITLE		
APPROVALS	DATE	PRODUCT FEATURE		
DRAWN <i>K. MASON</i>	<i>10/31/18</i>	PE2-40-3G18G-3R0-10-15-SFF		
CHECKED		SIZE A	FSCM NO. 05XQ0	DWG NO. 27008862
ISSUED		SCALE N:S		REV A1
				SHEET 1 OF 1