

Description:

Model Number: PS-5G18G-400-A-SFF is a 5 - 18 GHz Analog Phase Shifter. This phase shifter is supplied in our standard PE2 housing that can be used as a SMA connectorized or a surface mount component.

This model provides the following performance. Data is available upon request.

Specifications:

Frequency Range:	5 to 18 GHz
Phase Shift Range:	
5 - 10 GHz	180° Min, 400° Typ
10 - 13 GHz	135° Min, 200° Typ
13 - 18 GHz	45° Min, 120° Typ
Insertion Loss:	
5 - 10 GHz	12 dB Max, 8 dB Typ
10 - 18 GHz	7 dB Max, 4 dB Typ
Return Loss (In/Out):	8 dB Typ
Control Voltage Range:	0 - 10 VDC
Modulation Bandwidth:	50 MHz Typ
Phase Voltage Sensitivity:	40° / V Typ
Insertion Phase	
Temp Sensitivity:	0.5° / V Typ

Absolute Maximum Ratings:

Control Voltage:	+11 VDC
Reverse Current:	5 mA
Input Power:	+30 dBm CW

Available Options:

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

Environmental Ratings:

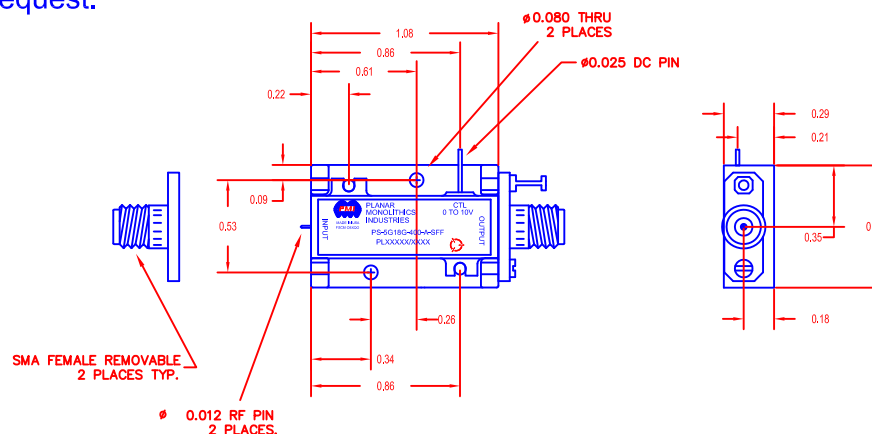
Temperature:	-55 to +85 Deg. C (Operating) -65 to +150 Deg. C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

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

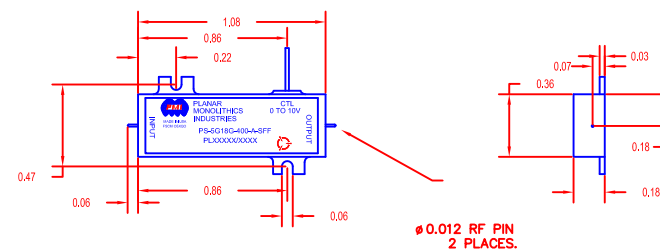
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	06/11/10	
	A2	ECN # 14-0120	7/25/11	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



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 PS-5G18G-400-A-SFF			
DRAWN <i>DPD</i>	<i>6/11/10</i>				
CHECKED					
ISSUED		SIZE A	FSCM NO. 05XQ0	DWG NO. 27013221	REV A2
		SCALE N: S		SHEET 1 OF 1	