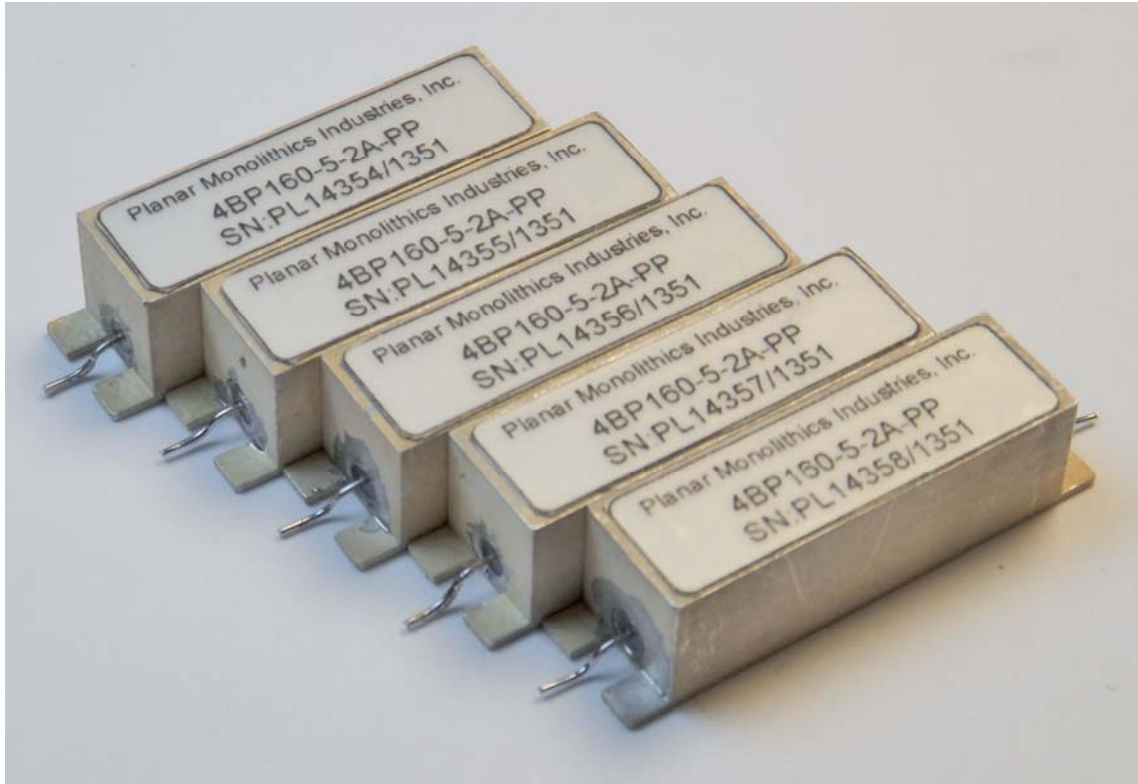




**TYPICAL CHARACTERISTICS  
ON  
4BP160-5-2A-PP**

**PMI model number 4BP160-5-2A-PP is a LC Bandpass filter with  
PC Pins connectors in and out.**



**December 11, 2013**

**Designed, Tested & Reported By:**

**Sebastian Palacio**



# TYPICAL CHARACTERISTICS ON 4BP160-5-2A-PP

**DESCRIPTION:**  
PMI model number 4BP160-5-2A-PP is a LC Bandpass filter with PC Pins connectors in and out.

**SPECIFICATIONS:**

- CENTER FREQUENCY: 160 MHz, +/-0.23%
- 3dB BANDWIDTH: 5 MHz, +/- 5%
- VSWR IN THE PASS BAND: 1.5:1 MAX.
- INSERTION LOSS (PASSBAND): 10 dB NOMINAL
- REFLECTION: 4 Section Response

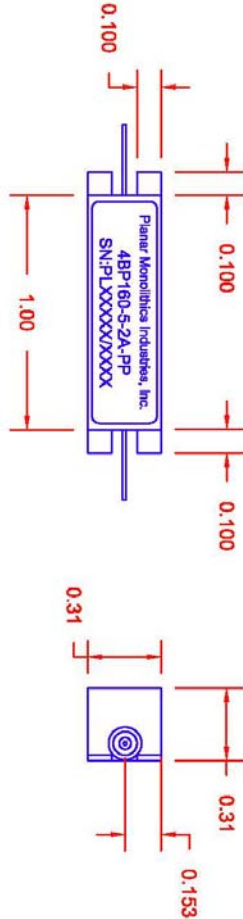
- CONNECTORS: PC PINS IN/OUT
- SIZE: 1.20" (L) x 0.31" (W) x 0.31" (H)
- WEIGHT: 1oz. TYP.

**ENVIRONMENTAL RATINGS:**

- TEMPERATURE: -55°C TO +85°C (OPERATING)  
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- SALT FOG: MIL-STD-202F, METHOD 107D COND. A
- FUNGUS: MIL-STD-810C, METHOD 508.2
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS		DATE	APPROVED
ZONE	REV.	DESCRIPTION	
A1		ORIGINAL RELEASE	4/1/09
A2		ECN # 13-0198	11/11/18



ALL DIMENSIONS ARE IN INCHES  
TOLERANCES UNLESS OTHERWISE SPECIFIED:  
X.000 - 40.010

PART NO.		DATE		TITLE	
APPROVALS		DATE		TITLE	
S. PALACIO		4/1/09		OUTLINE DRAWING 4BP160-5-2A-PP	
SIZE	PROJ. NO.	DWG. NO.	REV.		
A	05X00	27008443	A2		
SCALE	N/A	SHEET	1	OF 1	

**PLANAR MONOLITHICS INDUSTRIES, INC.**  
7311-F GROVE ROAD  
FREDERICK, MD 21704 USA  
TEL: (301) 662-1731 FAX: (301) 662-1732  
WWW.PMI-RF.COM  
E-MAIL: SALES@PMI-RF.COM  
ISO 9001 CERTIFIED

PMI CONFIDENTIAL AND PROPRIETARY



**TYPICAL CHARACTERISTICS  
ON  
4BP160-5-2A-PP**

<b>TEST. ITEM NO</b>	<b>PARAMETERS</b>	<b>SPECIFIED VALUE</b>	<b>TEST RESULTS</b>	<b>QA QC</b>
1	Center Frequency:	160 MHz $\pm$ 0.23%	160.01 MHz See Plot	
2	3 dB Bandwidth:	5 MHz $\pm$ 5%	5.00 MHz See Plot	
3	Insertion Loss: (Passband)	10 dB Nominal	6.83dB See Plot	
4	Rejection	4 Section Response	4 Section Response See Plot	
5	VSWR in The Passband:	1.5:1 Max	1.5:1 See Plot	



**TYPICAL CHARACTERISTICS  
ON  
4BP160-5-2A-PP**

