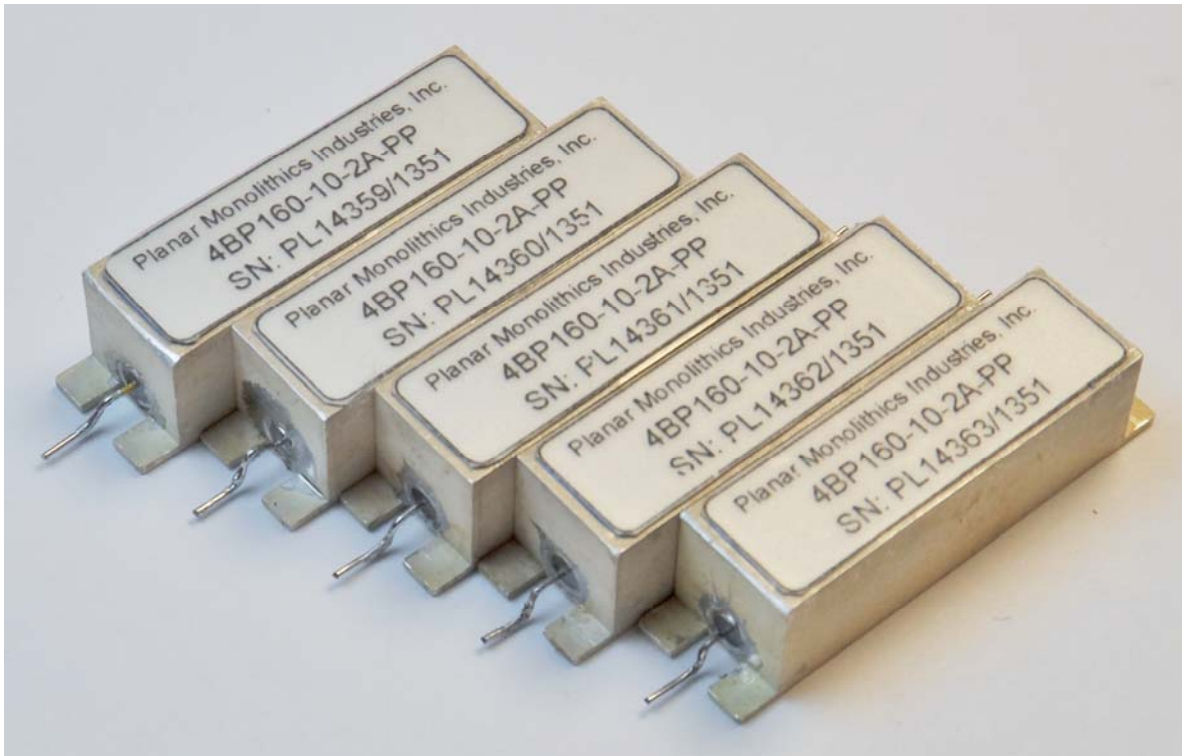




**TYPICAL CHARACTERISTICS  
ON  
4BP160-10-2A-PP**

**PMI model number 4BP160-10-2A-PP is a LC Bandpass filter  
with PC Pins connectors in and out.**



**December 11, 2013**

**Designed, Tested & Reported By:**

**Sebastian Palacio**



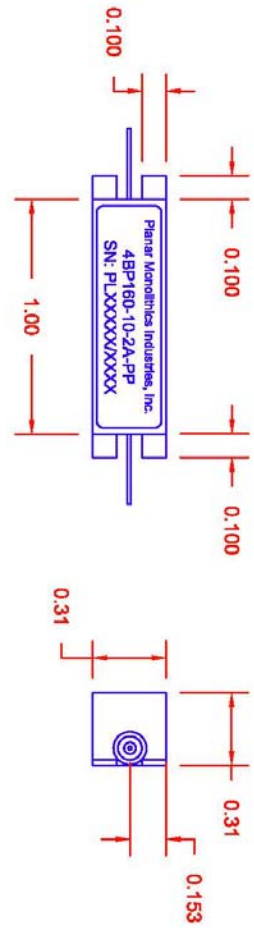
# TYPICAL CHARACTERISTICS ON 4BP160-10-2A-PP

**DESCRIPTION:**

PMI model number 4BP160-10-2A-PP is a LC Bandpass filter with PC Pins connectors in and out.

**SPECIFICATIONS:**

CENTER FREQUENCY: . . . . . 160 MHz  
 3dB BANDWIDTH: . . . . . 10 MHz, +/- 5 %  
 VSWR IN THE PASS BAND: . . . . . 1.5:1 MAX.  
 INSERTION LOSS (PASSBAND) : . . . . . 5 dB NOMINAL  
 REJECTION . . . . . 4 Section Response 0.100



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 1038 COND. B  
 SHOCK: . . . . . MIL-STD-202F, METHOD 2138 COND. B  
 VIBRATION: . . . . . MIL-STD-202F, METHOD 2049 COND. B  
 ALTITUDE: . . . . . MIL-STD-202F, METHOD 1095C 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			
REV.	DESCRIPTION	DATE	APPROVED
A1	ORIGINAL RELEASE	9/9/09	
A2	ECN # 13-0199	11/11/19	

ALL DIMENSIONS ARE IN INCHES  
 TOLERANCES  
 XXX .0000  
 XXXX .0010

**PLANAR MONOLITHICS INDUSTRIES, INC.**  
 7311-F GROVE ROAD  
 FREDERICK, MARYLAND 21704 USA  
 TEL: 301-662-5019 FAX: 301-662-1731  
 WEBSITE: [www.dmlrf.com](http://www.dmlrf.com)  
 E-MAIL: [sales@dmlrf.com](mailto:sales@dmlrf.com)  
 ISO 9001 CERTIFIED

**PMI CONFIDENTIAL AND PROPRIETARY**

OUTLINE DRAWING  
 4BP160-10-2A-PP

DESIGNER	DATE	TITLE	SIZE	PAGE NO.	TOTAL PAGES	REV.
S. PALACIO	4/7/09	OUTLINE DRAWING 4BP160-10-2A-PP	A	05X00	27008423	A2
APPROVALS	DATE					
DESIGNED						
CHECKED						
ISSUED						



**TYPICAL CHARACTERISTICS  
ON  
4BP160-10-2A-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	<b>160.06 MHz See Plot</b>	
2	3 dB Bandwidth:	10 MHz $\pm$ 5%	<b>10.02MHz See Plot</b>	
3	Insertion Loss: (Passband)	5 dB Nominal	<b>4.35dB See Plot</b>	
4	Rejection	4 Section Response	<b>4 Section Response See Plot</b>	
5	VSWR in The Passband:	1.5:1 Max	<b>1.5:1 See Plot</b>	



# TYPICAL CHARACTERISTICS ON 4BP160-10-2A-PP

