



CORRY MICRONICS, INC **PROPOSED**  
**PRODUCT SPECIFICATION**

**CMIBPF-47.2-51.4G**  
**Band Pass Filter**

<b>Parameters</b>	<b>Specifications</b>
Frequency Range	47.2 – 51.4 GHz (4.2 GHz BW)
Center Frequency	49.3 GHz
Pass Band Insertion Loss	2 dB Max
Pass Band Ripple (peak to peak over any 500 MHz interval @ 47.2 – 51.4 GHz)	0.3 dB Max
Group Delay Variation (peak to peak over any 500 MHz interval @ 47.2 – 51.4 GHz)	0.3 ns max
Return Loss	15 dB Min
Rejection @ DC to 42.5 GHz	80 dB Min
Rejection @ 42.5 to 46 GHz	40 dB Min
Rejection @ 52.5 to 55 GHz	40 dB Min
Rejection @ 55 to 70 GHz	60 dB Min
Power Rating	10 W Max
Operating Temperature	-30° to +70° C
Impedance	50 Ohms
Input Connector	2.4 mm Female
Output Connector	2.4 mm Male
Finish	Blue Paint
Dimensions	See Attached Drawing

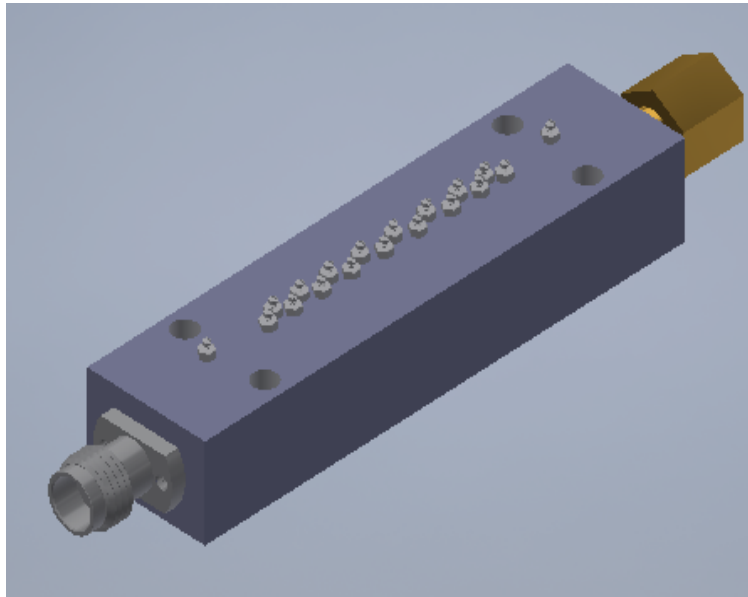
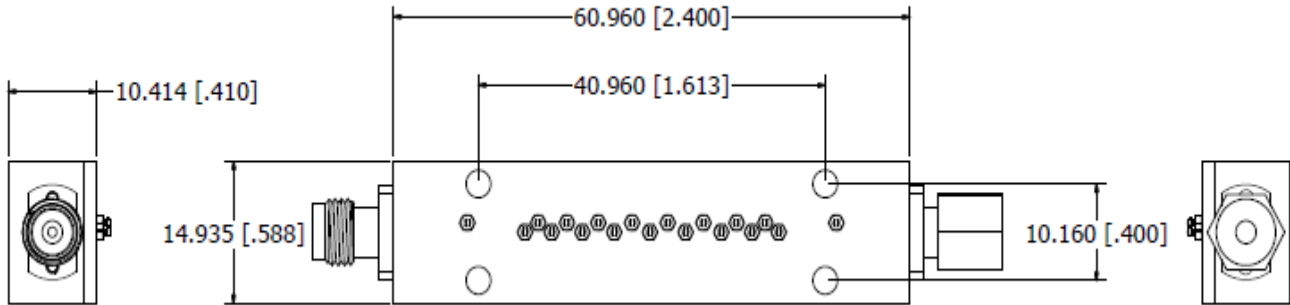
**CALL OUR SALES DEPARTMENT FOR MORE INFORMATION OR VARIATIONS OF THIS PRODUCT.**

**Corry Micronics, Inc. One Plastics Rd. - Corry, PA 16407**  
**(724) 940-7556 ext. 138 Fax (724) 940-7707 [www.cormic.com](http://www.cormic.com)**

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## Concept Drawing:

All Dimensions are in mm [inches] Tolerance  $\pm 0.25$  [0.01]



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