

**CMIBPF-1680-110W**  
**Band Pass Filter**

Frequency Band	1600 – 1760 MHz
Insertion Loss	≤ 1.0 dB Max
Ripple	< 0.5 dB over any 4 MHz
Rejection @ 900 – 1500 MHz	≥ 50 dB
Rejection @ 1800 – 2000 MHz	≥ 25 dB
Rejection @ 2000 – 2400 MHz	≥50 dB
Rejection @ DC – 900 MHz	≥60 dB
Rejection @ 2400 – 6000 MHz	≥60 dB
Band Rejection @ 1575 ± 2MHz	>55 dB
Band Rejection @ 1585 MHz	>15 dB
VSWR	≤ 1.4 Max
Group Delay Variation	<5 ns over any 4MHz
Impedance	50 Ω
Peak power	110W with load VSWR = 3.0:1
Connector	SMA Female
Sealing	Fine leak test in accordance with MIL-STD-883F, Method 1014.11 Bomb condition: 45±2[psia], minimum exposure time 2 [h], maximum dwell 1[h]. Reject limit 1X10 <sup>-7</sup> [atm*cc/s*He]
Weight	230Gr. Max
Operating Temp	-40 to +85 °C
Storage Temp	-55 to +95 °C
Humidity	95%RH @ 35°C
Salt Fog	The level of exposure to salt atmosphere shall be in accordance with MIL-STD-810F, Method 509.4,5%NaCl@35°C, 2X24 hours of exposure +2X24 hours of drying.
Altitude	45000 ft.
Vibration	12 G RMS Random @ 20-2000Hz

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

**Corry Micronics, Inc. One Plastics Rd. - Corry, PA 16407**

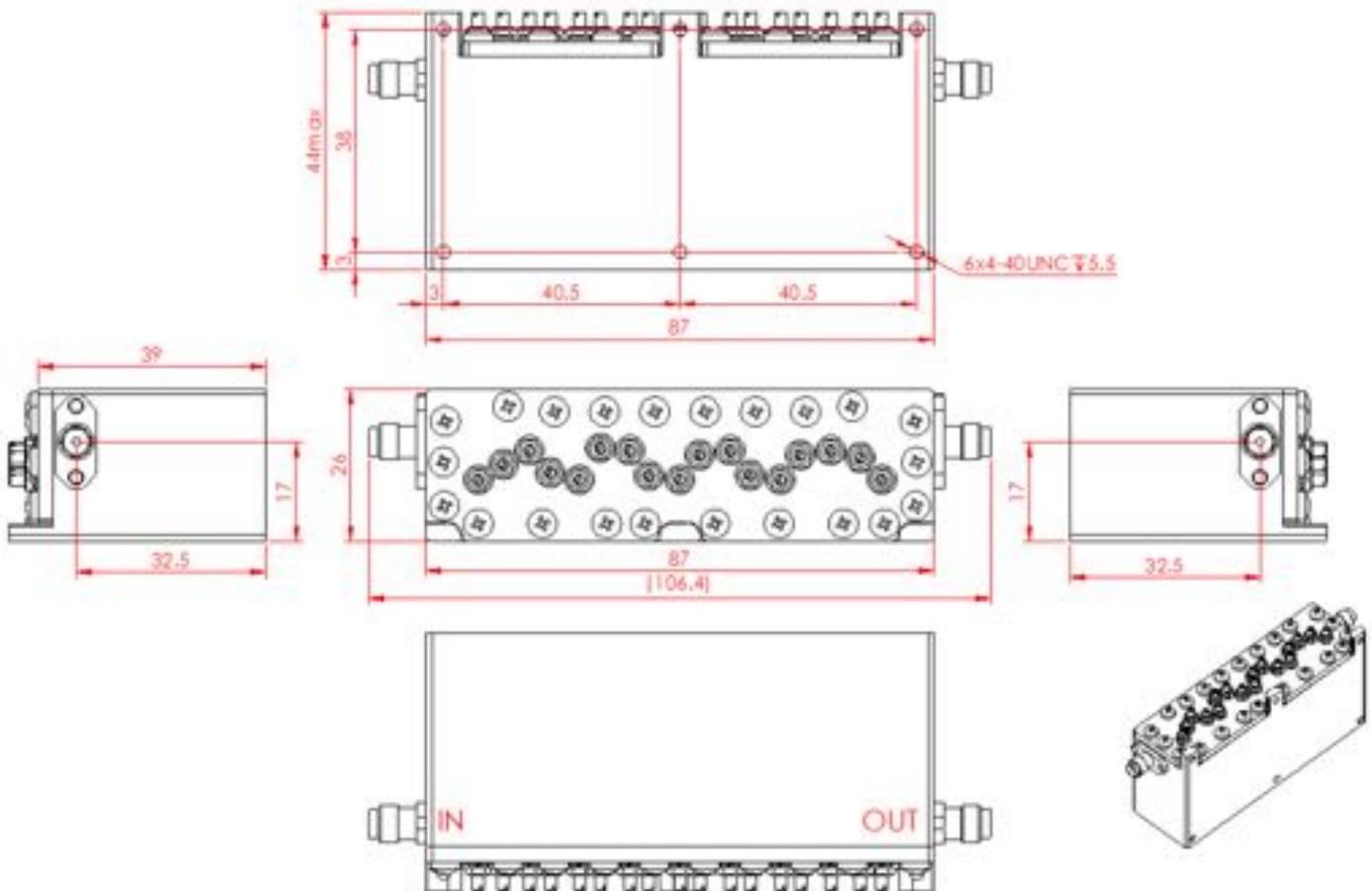
**(724) 940-7556 ext. 138 Fax (724) 940-7707 [www.cormic.com](http://www.cormic.com)**

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### CMIBPF-1680-110W Band Pass Filter

Shock	All axis saw tooth 20G/0.011(sec) All axis half sine 30G/0.040(sec)
Application	Indoor
Material	Aluminium alloy 6061-T651
Surface Treatment	Conversion Coating FER MIL-C-5541 CLASS 1A
Painting	Apply Paint: Black Paint
Packing shipment	FER PS 38-576104

All Dimensions in mm



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