



**FBV-227B**

**UHF COMMUNICATIONS  
BANDPASS FILTER**



## DESCRIPTION

UHF Bandpass Filter provides a very low loss, <math><0.5\text{ dB}</math>, bandpass of 225 to 400 MHz. The unit will conservatively handle 150 W CW, in a MIL-E-5400, Class 1A environment.

## FEATURES

Very low insertion loss, <math><0.5\text{ dB}</math> pass-bandwidth.  
Very sharp selectivity, typically 80 dB at twice the width.  
Various connector options are available.

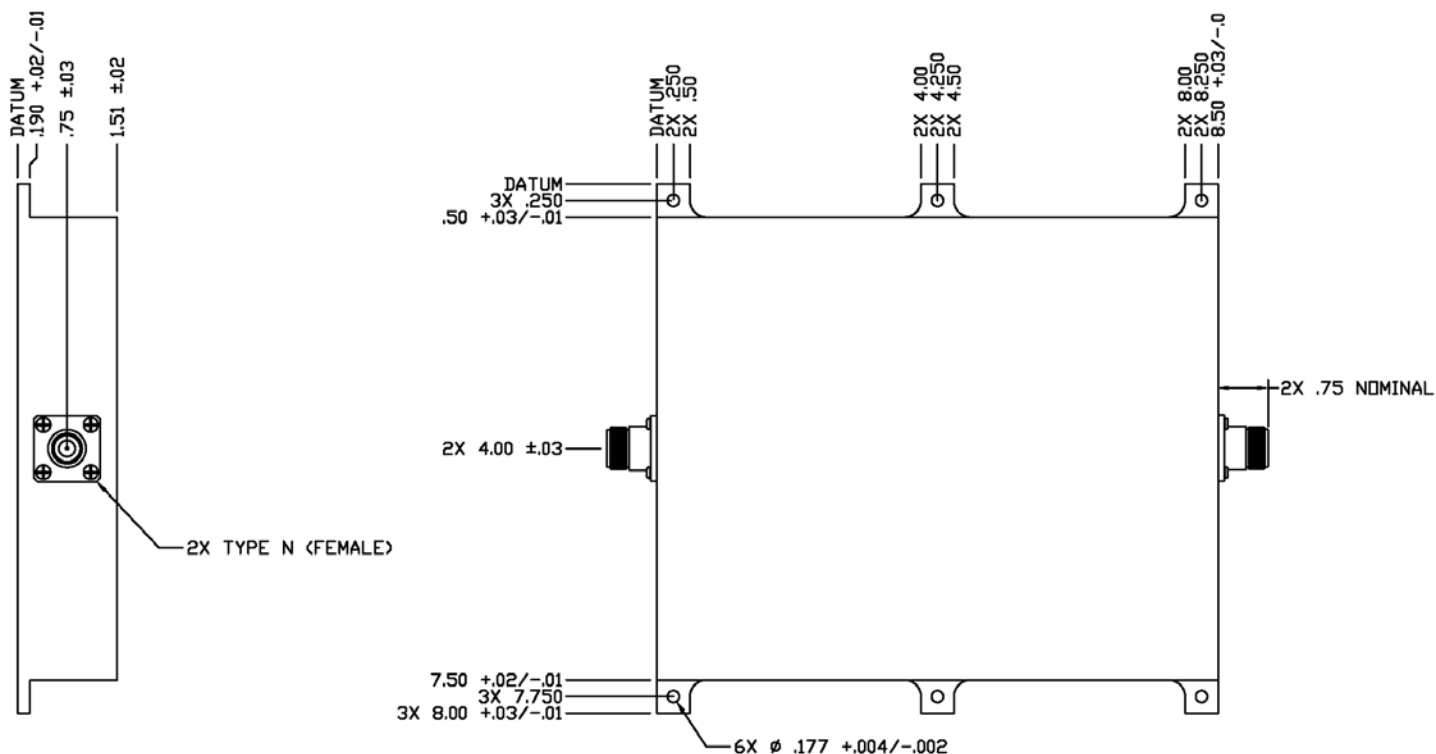
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## ELECTRICAL SPECIFICATIONS

Insertion Loss, 225-400 MHz	0.7 dB max.
Rejection:	
20 dB	205, 426 MHz
32 dB	195, 434 MHz
40 dB	187, 443 MHz
50 dB	174, 452 MHz
60 dB	140, 462 MHz
Ultimate Rejection:	
	> 80 dB for $0 < f < 120\text{MHz}$
	> 80 dB for $481 < f < 1000\text{MHz}$
RF Power Handling	150 W-CW, or PEP max.
Impedance	50 $\Omega$ nom.
VSWR, 225-400 MHz	1.5:1 max.

## GENERAL CHARACTERISTICS

Environment	Airborne, MIL-E-5400 Class 1A
Temperature	
Operating	-20°C to +60°C
Non-Operating	-40°C to +80°C
Size, excluding connectors	8.50" x 8.00" x 1.51"
Weight	4.3 lbs. max.
Connectors*	Type N (Female)

\* Other connector configurations are available.

REV: 2/21/17