

# Rugged Filters

## High Performance VHF Filter

### For Locomotives, Base Stations and Waysides

- Provides optimum filtering for on-board locomotive frequency bands
- Compact VHF filter provides superior channel isolation
- Reduces intermodulation issues by blocking unwanted signals
- Connectors can be customized to fit your needs



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MODEL NUMBER	FILT-NB-VHF-COM
Pass Band	160-163
Reject Band	<216
Bandwidth (MHz)	3
VSWR	1.5:1
Power Rating (watts)	100
System Impedance (Ohms)	50
Insertion Loss	< 0.5
Diameter (inches)	5.2 x 2 x 1.2h
Mounting Hardware	Included
Connector	N-male (-FM, -MF, and -F versions available)

# High Performance VHF Filter FILT-NB-VHF-COM

Each filter is fine-tuned for optimum IN/OUT reflection.  
Response: S11 and S22 VSWR of  $\leq 1.2:1$

Low-Pass Filter (160-163MHz) with flat frequency Response and Low Insertion Loss (S21) of  $\leq 1.0\text{dB}$ . Passes VHF band



Rejects Unwanted RF Signals from: PTC/UHF Bands  
Filter is designed specifically for locomotive applications