

SPECIFICATION SHEET

Raven Research Ltd.

Westminster House, Bath Road, Padworth, Berkshire, UK.
Tel. No. 0044-(0)-118-971-4540, Fax. No. 0044-(0)-118-971-4120

RR236 HF Triple Notch Filter

20th January 1995

Issue 1

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Features:

The RR236 Triple Notch Filter is specially designed to operate over the 2 to 30MHz passband and to provide notch filter suppression to transmissions at 11.625MHz, 15.090MHz and 17.780MHz. The filters are sealed modules, designed to be integrated at the front-end of HF distribution systems and feature low insertion loss and high notch filter rejection. The filters feature high level signal handling protection and high intermodulation suppression.

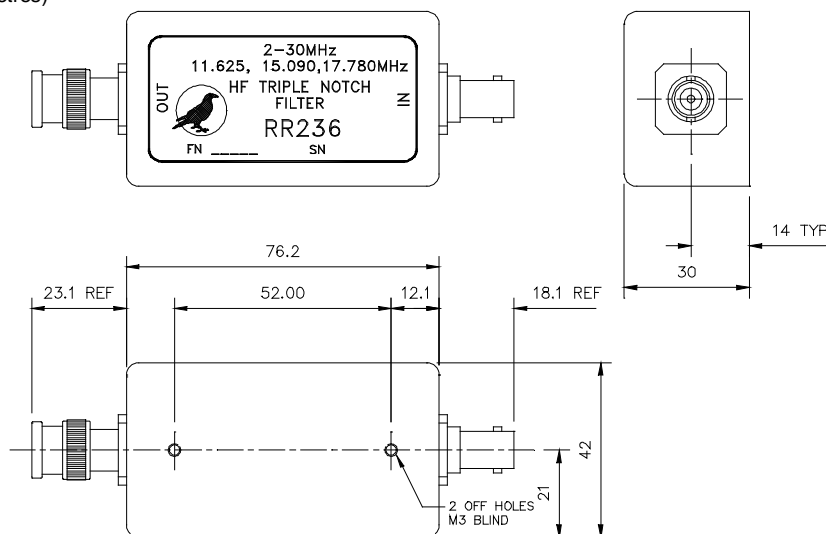
The filters are fitted with opposite sex connectors, as standard, to enable them to be easily by-passed, if operation outside the normal user bandwidth is desired.

Specifications:

Frequency Range	:	2-30MHz
Notch Frequencies (Fc)	:	11.625MHz, 15.090MHz & 17.780MHz
Passband Loss (except Fc+/-625kHz)	:	1.5dB maximum
Characteristic Impedance	:	50Ω nominal
Passband VSWR (In/Out)	:	1.5 : 1 maximum
Stopband Attenuation		
- Fc+/-20kHz	:	40dB minimum
- Fc+/-75kHz	:	30dB minimum
- Fc+/-200kHz	:	20dB maximum
- Fc+/-300kHz	:	10dB maximum
- Fc+/-500kHz	:	3dB maximum
Intermodulation Suppression	:	-80dBc, 2 in-band tones 0dBm
Power Handling		
- CW	:	40dBm minimum
- Pulse	:	2kV, 1.6μs rise-time, 50μs duration
Temperature		
- Operating	:	0°C to +55°C
- Storage	:	-20°C to +70°C

Mechanical Outline:

(All dimensions in millimetres)



NOTE: Controlled changes to Specification Sheets may be made without notice to specification holders.
Prior to use, contact company regarding specification status of the item described herein.

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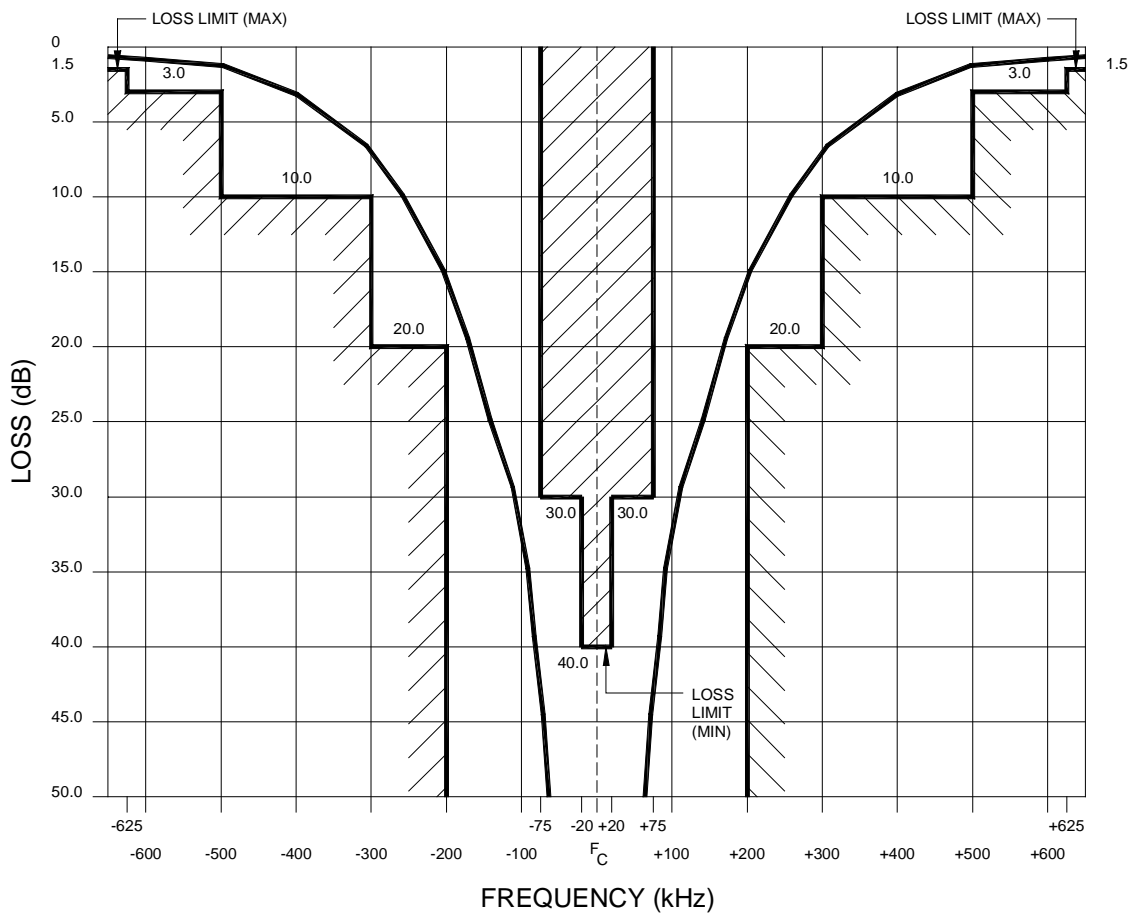
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Filter Characteristic:



NOTCH REJECTION SHAPE FACTOR

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