



FM Notch Filter

Jampro RF Systems RCNQ is a Coaxial Quarter Wave Coaxial Notch Filters. The RCNQ Family of filters are designed for suppression of intermodal products and rejection of a single frequency.

The RCNQ notch filter series features natural temperature stabilization, low insertion loss and VSWR combined with high rejection packaged in a compact, high "Q" aluminum cavity. The compact size of this device allows it to be mounted practically anywhere in a transmission system.

- **Low Insertion Loss 0.1 Typical**
- **Rejection 30 dB Minimum**
- **VSWR 1.08:1 Maximum**
- **Compact Size**
- **High "Q" Aluminum Cavity**



RCNQ-X1X-FM & RCNQ-X2X-FM Notch Filter Medium Power 11.5" & 18" Square Cavities

Model #	Input/Output	# Sections
RCNQ-101	7/8" EIA	1
RCNQ-#11	Type "N" through 1-5/8"	1
RCNQ-#12	Type "N" through 1-5/8"	2
RCNQ-#13	Type "N" through 1-5/8"	3
RCNQ-#21	1-5/8" through 4-1/16"	1
RCNQ-#22	1-5/8" through 4-1/16"	2
RCNQ-#23	1-5/8" through 4-1/16"	3
RCNQ-#31	3-1/8" through 4-1/16"	1
RCNQ-#32	3-1/8" through 4-1/16"	2
RCNQ-#33	3-1/8" through 4-1/16"	3



Specifications

Model #	Insertion Loss	VSWR	Rejection	Power Level
RCNQ-211	0.08 dB @ Fn $\pm$ >800 kHz	1.08:1 Fp $\pm$ 75 kHz	30 dB @ Fn	10 kW Pass
RCNQ-212	0.15 dB @ Fn $\pm$ >800 kHz	1.08:1 Fp $\pm$ 75 kHz	55 dB @ Fn	10 kW Pass
RCNQ-213	0.22 dB @ Fn $\pm$ >800 kHz	1.08:1 Fp $\pm$ 75 kHz	80 dB @ Fn	10 kW Pass
RCNQ-221	0.06 dB @ Fn $\pm$ >800 kHz	1.08:1 Fp $\pm$ 75 kHz	30 dB @ Fn	30 kW Pass
RCNQ-222	0.12 dB @ Fn $\pm$ >800 kHz	1.08:1 Fp $\pm$ 75 kHz	55 dB @ Fn	30 kW Pass
RCNQ-223	0.18 dB @ Fn $\pm$ >800 kHz	1.08:1 Fp $\pm$ 75 kHz	80 dB @ Fn	30 kW Pass
RCNQ-#31	0.05 dB @ Fn $\pm$ >800 kHz	1.08:1 Fp $\pm$ 75 kHz	30 dB @ Fn	50 kW Pass
RCNQ-#32	0.10 dB @ Fn $\pm$ >800 kHz	1.08:1 Fp $\pm$ 75 kHz	55 dB @ Fn	50 kW Pass
RCNQ-#33	0.15 dB @ Fn $\pm$ >800 kHz	1.08:1 Fp $\pm$ 75 kHz	80 dB @ Fn	50 kW Pass

Notes:

1. Model # first number indicated Connector Size
2. Model# second number indicates quantity of filter sections
3. Model # Last three numbers indicate frequency
4. Suffix of -U indicates unflanged where -F indicates flanged connectors

*All specifications subject to change without notice.