

FR20107-1 Cavity filter, reject, high Q, one 7" cavity, 108-136 MHz

Also referred as: FR20107*1

- 7 inch diameter aluminum cylinder with brass and copper coaxial inner conductor
- Silver plating and chromate conversion coating, limit corrosion and enhance performance
- Temperature compensated for extremely low frequency drift

The notch (reject) filters provide exactly the opposite response to a bandpass filter — they “notch out” or reject an unwanted frequency, while passing all others. An essentially symmetrical response is obtained where a passband is required, both above and below the notch reject frequency. In order to be easily field-tuned, a rotatable loop permits variable notch depth and a fine tuning nut allows for fine frequency adjustment.

The FR series notch filters are designed to:

- Suppress sideband noise from multicoupled transmitters on one co-located receiver frequency.
- Protect multicoupled receivers further from front-end overload by the carrier of one co-located transmitter.
- Generally, “Protect Many from One.”



Filter may not appear exactly as picture.

www.sinctech.com

Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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Electrical Specifications

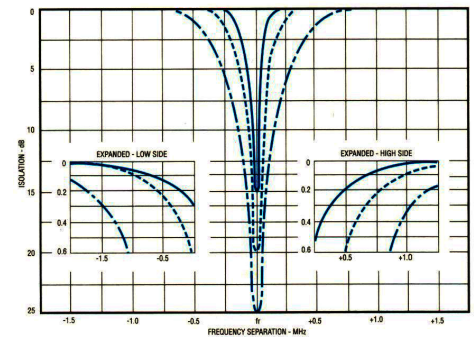
Frequency Range	MHz	108 to 136
Input VSWR (max)		1.5:1
Impedance	Ω	50
Average Power Input (max)	W	400
Input Connectors		N-Female
Output Connectors		N-Female
Notch attenuation (max)	dB	25

Mechanical Specifications

Width	in (mm)	7 (178)
Depth	in (mm)	7 (178)
Length/ Height	in (mm)	43.75 (1111)
Finish		chromate conversion
Weight	lbs (kg)	15 (6.81)
Actual shipping weight	lbs (kg)	20 (9.08)
Shipping dimensions	in (mm)	48x9x9 (1219x229x229)

Environmental Specifications

Temperature range	°F (°C)	-40 to +140 (-40 to +60)
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