

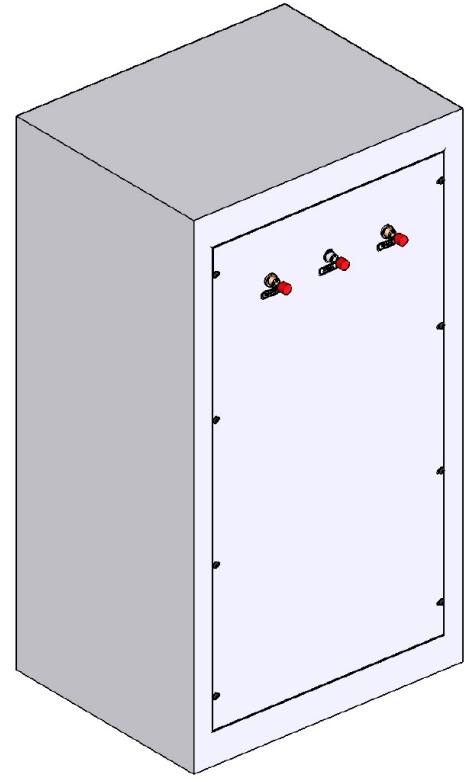
Q201GC-1

Duplexer, base station, Q-Circuit, cabinet mount, 132-148 MHz

Also referred as: Q201GC*1

- Six cavity configuration provides very high attention at extremely close frequency separation
- Quasi-bandpass response results in suppression of spurious and sideband transmitter noise
- Easy cabinet mount configuration

The Q201 series duplexers utilizes Sinclair's Q-circuit design in a 6-cavity configuration to provide very high attenuation at extremely close frequency separation in the 132-148 MHz band and 148-174 MHz band. This design provides a quasi-bandpass response, resulting in suppression of spurious and sideband transmitter noise between, and adjacent to, the duplex frequencies. The typical isolation attained between duplex frequencies is greater than 50 dB. The Q-201G is available in either cabinet, Q-201GC, or rack-mounted, Q-201GR, configuration.



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Product Specification Sheet		Q201GC-1	Issue: 90	Dated: 04-05-15

Electrical Specifications

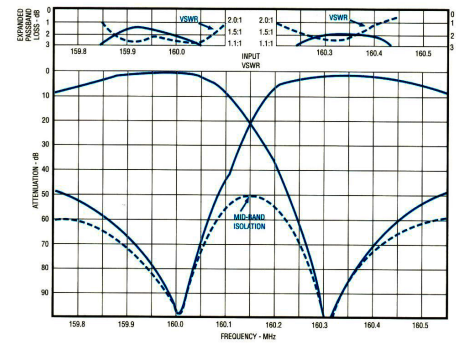
Frequency Range	MHz	132 to 148
Input VSWR (max)		1.5:1
Impedance	Ω	50
Average Power Input (max)	W	350
Connectors		N-Female
Frequency separation (min)	MHz	0.3
Insertion loss (max) Tx to Ant	dB	2.2
Isolation (min)	dB	95

Mechanical Specifications

Depth	in (mm)	18 (457)
Length/ Height	in (mm)	40.4 (1026)
Width	in (mm)	22 (559)
Weight	lbs (kg)	214 (97.16)
Finish		Black
Shipping dimensions	in (mm)	22x22x43 (559x559x1092)
Mounting configurations		cabinet

Environmental Specifications

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