

## Q201GR-2

Duplexer, base station, Q-Circuit, rack mount, 148-174 MHz

Also referred as: Q201GR\*2

- 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 rack mount configuration

The Q201 series duplexer utilizes Sinclair's Q-circuit design in a 6-cavity configuration to provide very high attenuation at extremely close frequency separation in the 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.



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#### Electrical Specifications

Frequency Range	MHz	148 to 174
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

#### Notes

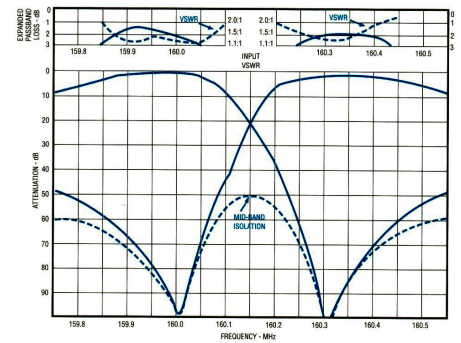
\*1 : Ships in two boxes.

#### Mechanical Specifications

Width	in (mm)	19 (483)
Depth	in (mm)	15 (381)
Length/ Height	in (mm)	61 (1549)
Weight	lbs (kg)	95 (43.13)
Shipping weight (package 1)	lbs (kg)	60 (27.24) *1
Shipping weight (package 2)	lbs (kg)	60 (27.24)
Shipping dimensions (package 1)	in (mm)	22x18x38 (559x457x965)
Shipping dimensions (package 2)	in (mm)	22x18x38 (559x457x965)
Mounting configurations		19 inch rack

#### Environmental Specifications

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