

**“Q” Series
Duplexers**

Electrical Specifications	Q-201G*	Q-202G*	Q-301G*	Q-318GM
FREQUENCY RANGE MHz	132-174		406-512	
FREQUENCY SEPARATION MHz (min.)	0.3 min.	0.5 min.	0.7 min.	2.0 min.
INSERTION LOSS db				
Tx to Ant.	2.2 max.	1.5 max	2.2 max.	1.5 max.
Rx to Ant.	2.2 max.	1.5 max.	2.2 max.	1.5 max.
Isolation: db				
Tx noise supression at Rx	95 min.	80 min.	100 min.	90 min.
Rx isolation at Tx	95 min.	80 min.	100 min.	90 min.
VSWR	1.5:1 max.			
Power Rating watts	350		250	
Terminations	Type “N” Female			
Temperature Range	-40°C to +60°C			
Note: (1) VSWR is referenced to 50 ohms (2) Specify transmit and receive frequencies when ordering				

* R=Rack Mount C=Cabinet Mount

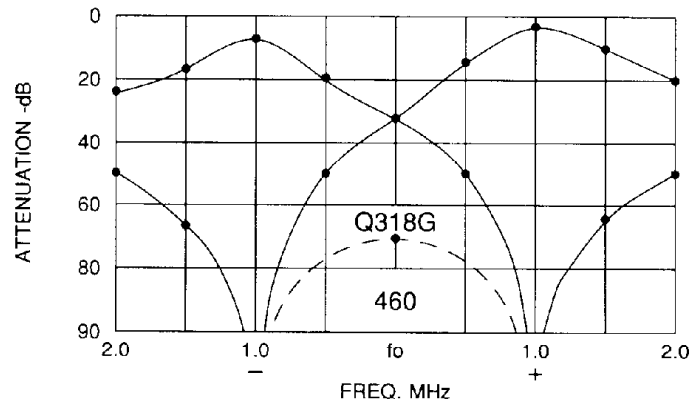
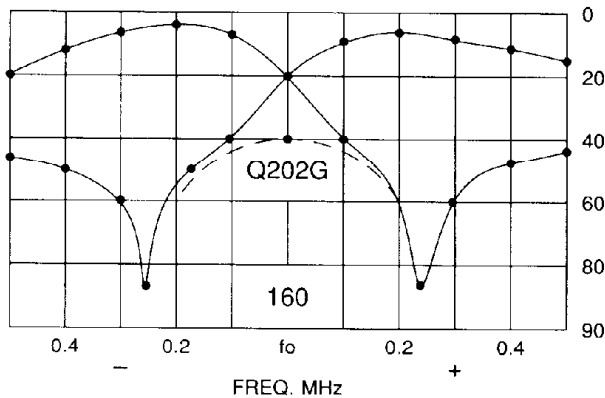
Note 1: The duplexers are furnished in the following sub-bands with one piece harness assemblies consisting of critical interconnect cable lengths. If changes are to be made from one band to another, the harness will have to be changed. Consult Sinclair Sales or Engineering Departments for new lengths required.

Models: Q-201G, Q-202G (132-150) (148-174) MHZ

Models: Q-301G, Q-318G (406-420) (450-512) MHZ

Typical response curves are shown. Other meodels are also available other than those listed, but the same tuning instructions apply for “Q” circuit duplexers.

Refer to the following pages: CI-1069A-B retuning instructions, CI-1067 rack and cabinet dimensions



MIDBAND ISOLATION