

### Q3220C-1

Duplexer, Q-Circuit, Res-Lok, compact, 4 cavity, rack mount, 406-450 MHz

Also referred as: Q3220C\*1

- Compact duplexer for situations where rack space is the prime consideration
- Four cavity duplexer provides optimum performance for systems with 5 MHz frequency separation
- Low insertion loss and high isolation achieved with this unit

When rack space is the prime consideration, this 4 cavity very compact duplexer is ideal. It is designed to provide optimum performance for systems with 5 MHz frequency separation operating in the 406-450 MHz frequency band. Typically low insertion loss and high isolation, characteristic of all Sinclair Q-circuit Res-Lok duplexers, is achieved with this unit.

Q3220C-1 is ideal for allowing one pair of Tx/Rx frequency sharing a common antenna, especially for the narrow band LMR/PMR systems (12.5 or 25 KHz CH). For multiple Tx/Rx frequencies applications, wider bandwidth duplexers are available. Please contact your Sinclair Sales Representatives for details.



Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
Telephone	1 800 263 3275	+44 (0) 1487 84 28 19	Canada: 1 800 263 3275 International: +1 905 726 7676	+1 905 727 0165
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salescan@sinctech.com	salesasia@sinctech.com

#### Electrical Specifications

Frequency Range	MHz	406 to 450
Input Connectors		N-Female
Output Connectors		N-Female
Input VSWR (max)		1.5:1
Insertion Loss (max) Tx to Ant	dB	0.8
Impedance	$\Omega$	50
Average Input Power (max)	W	125
Frequency separation (min)	MHz	5
Isolation (min)	dB	70

#### Mechanical Specifications

Width	in (mm)	19 (483)
Depth	in (mm)	10.5 (267)
Length/ Height	in (mm)	3.5 (89)
Finish		chromate conversion
Weight	lbs (kg)	10 (4.54)
Mounting configurations		19 inch rack
Actual shipping weight	lbs (kg)	17 (7.72)
Shipping dimensions	in (mm)	7x16.5x19.25 (178x419x489)

#### Environmental Specifications

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

Region	United States	Europe, Middle East, and Africa	Canada, Caribbean, and Latin America	Asia-Pacific
Telephone	1 800 263 3275	+44 (0) 1487 84 28 19	Canada: 1 800 263 3275 International: +1 905 726 7676	+1 905 727 0165
E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salescan@sinctech.com	salesasia@sinctech.com