

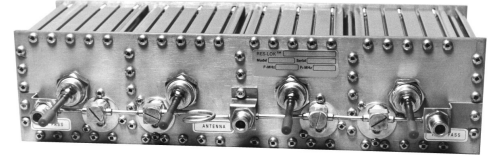
Q4220E-1 Duplexer, Q-Circuit, Res-Lok, 4 cavity, rack mount, 806-890 MHz

Also referred as: Q4220E*1

- Res-Lok construction achieves maximum performance in extremely compact package
- Ideally suited for 45 MHz Tx to Rx separation
- Available for frequency spacings as low as 3.6 MHz

The Q-4220 duplexer utilizes Res-Lok construction to achieve maximum performance in an extremely compact package. The Q-4220 is ideally suited for 45 MHz Tx to Rx separation, but may also be ordered for spacing as low as 3.6 MHz.

Q4220E-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.



www.sinctech.com

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

Product Specification Sheet
EPR 015987

Q4220E-1

Issue: 52

Dated: 24-01-22
Dated: 27-09-13

Electrical Specifications

Frequency Range	MHz	806 to 890
Number of Cavities - Tx Side		2
Number of Cavities - Rx Side		2
Connectors		N-Female
Input VSWR (max)		1.5:1
Insertion Loss (max) Tx to Ant	dB	1
Impedance	Ω	50
Average Input Power (max)	W	150
Frequency separation (min)	MHz	45
Isolation (min)	dB	80

Notes

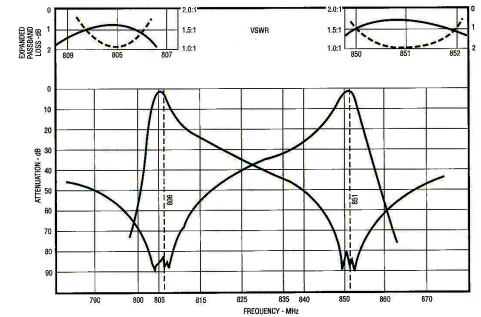
*1 : Isolation reduced for Tx-Rx less than 45 MHz

Mechanical Specifications

Width	in (mm)	19 (483)
Depth	in (mm)	8.25 (210)
Length/ Height	in (mm)	4.17 (106)
Finish		chromate conversion
Weight	lbs (kg)	12 (5.45)
Mounting configurations		19 inch rack
Actual shipping weight	lbs (kg)	20 (9.08)
Shipping dimensions	in (mm)	6x18.13x22 (152x461x559)

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