

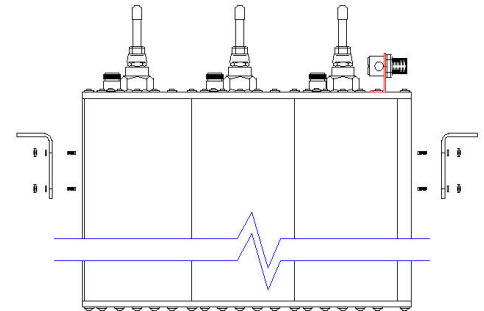
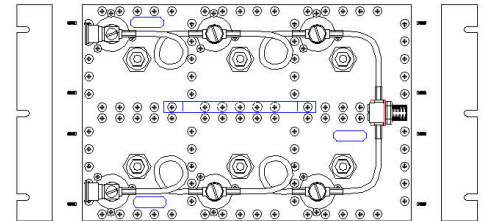
Q2331E Duplexer, Q-Circuit, high isolation, rack mount, 216-225 MHz

- Six-cavity provides 85 dB isolation
- Res-Lok design reduces inter-cavity cabling and losses
- Provides up to 85 dB isolation at frequency separation of 500 KHz

The Q2330 series uses Sinclair's Q-Circuit design coupled with our Res-Lok™ modular construction to result in a series of extremely versatile duplexers offering exceptional performance.

The Q-Circuit design provides a quasi-bandpass response, resulting in suppression of spurious and sideband transmitter noise.

Coupled with carefully temperature compensated components this series of duplexers ensures performance stability at very low frequency separations and insertion loss values.



www.sinctech.com

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

Electrical Specifications

Frequency Range	MHz	216 to 225
Number of cavities Tx Side		3
Number of Cavities Rx Side		3
Insertion Loss Low Pass to Ant (max)	dB	1.5
Insertion Loss High Pass to Ant (max)	dB	1.5
Input VSWR (max)		1.5:1
Impedance	Ω	50
Isolation Rx carrier suppression at Tx (min)	dB	85
Isolation Tx noise suppression at Rx (min)	dB	85
Average Power Input (max)	W	350
Connectors		N-Female
Frequency separation (min)	MHz	0.5
Insertion loss Rx to antenna (typ)	dB	1.5
Insertion loss Tx to antenna (typ)	dB	1.5

Mechanical Specifications

Depth	in (mm)	24 (610)
Length/ Height	in (mm)	8.4 (213)
Width	in (mm)	19 (483)
Weight	lbs (kg)	43 (19.52)
Actual Shipping weight	lbs (kg)	50 (22.7)
Shipping dimensions	in (mm)	12x16x37 (305x406x940)
Mounting configurations		19 inch rack

Environmental Specifications

Temperature range	°F (°C)	-22 to +140 (-30 to +60)
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E-mail	salesusa@sinctech.com	salesuk@sinctech.com	salesla@sinctech.com	salescan@sinctech.com