

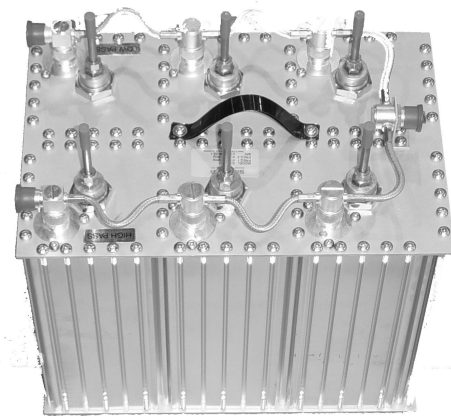
Q3330E-2 Duplexer, Q-Circuit, Res-Lok, 6 cavity, rack mount, 420-450 MHz

Also referred as: Q3330E*2

- Six-cavity Res-Lok duplexer design
- Provide 1 MHz pass-band and reject notch where frequency separation is 5 MHz
- Typical minimum isolation is 85 dB with maximum insertion loss of 1.2 dB

Sinclair developed 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 between and adjacent to the duplex frequencies. Coupled with carefully temperature compensated components this series of duplexers ensures performance stability at very low frequency separations and insertion loss values.

Res-Lok™ modular construction offers a variety of mounting options. The multi position brackets supplied with each duplexer allow easy rack, wall or floor mounting to suit system and equipment room limitations. A variety of system-specific configurations is available in the 406-512 MHz frequency range.



Region	United States	Europe, Middle East and Africa	Caribbean and Latin America	Canada and rest of the world
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Product Specification Sheet EPR 016316		Q3330E-2	Issue: 8	Dated: 08-10-13 Dated: 27-09-13

Electrical Specifications

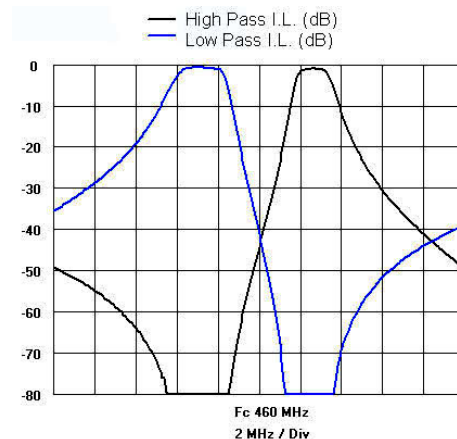
Frequency Range	MHz	420 to 450
Input VSWR (max)		1.5:1
Impedance	Ω	50
Average Power Input (max)	W	350
Connectors		N-Female
Frequency separation (min)	MHz	5
Insertion loss Rx to antenna (max)	dB	1.2
Insertion loss Tx to antenna (max)	dB	1.2
Isolation (min)	dB	85

Mechanical Specifications

Depth	mm (in)	289 (11.38)
Length/ Height	mm (in)	211 (8.3)
Width	mm (in)	483 (19)
Weight	kg (lbs)	10.44 (23)
Finish		chromate conversion
Actual Shipping weight	kg (lbs)	11.35 (25)
Shipping dimensions	mm (in)	305x406x610 (12x16x24)
Mounting configurations		19 inch rack

Environmental Specifications

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