Q2330

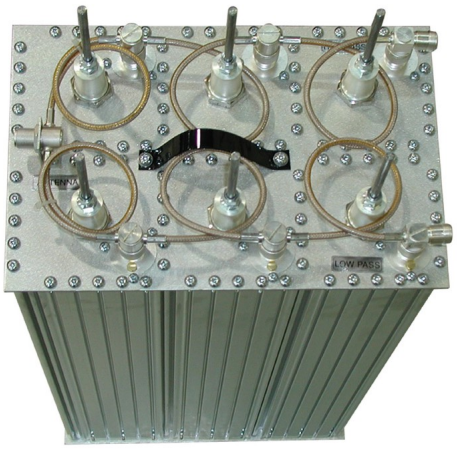
6 Cavity Res-Lok Q-Circuit VHF Duplexer

- Six-cavity duplexer 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 with 2 dB IL

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.



Application Notes

- 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 138-174 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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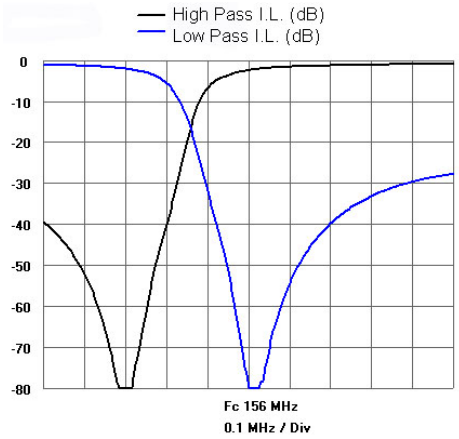
Notes
*1 : Referenced at 50 ohms

Electrical Specifications

Frequency Range 1 (F1)	MHz	138 to 174	
Isolation (min)	dB	85	
Impedance	Ω	50	
Pass bandwidth	MHz	0.5	
Input VSWR (max)		1.5:1	*1
Average power input (max)	W	350	
Frequency separation	MHz	0.5	
Insertion loss (max)	dB	1.5	



Mechanical Specifications

Connectors		N (female)
Length/ Height	in (mm)	8.4 (213)
Width	in (mm)	19 (483)
Depth	in (mm)	30.3 (770)
Shipping dimensions	in (mm)	19x7x36 (483x178x914)
Weight	lbs (kg)	45 (20.4)
Shipping weight	lbs (kg)	50 (22.7)
Finish		chromate conversion

Environmental Specifications

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