

Model BDC1100RW Raceway Series

Raceway Coupler Features

- Low Profile Housing
- Fits Standard 3/4 x 1 1/2 inch Raceway Conduit
- 5MHz to 1GHz Bandwidth
- F Connectors Conform to SCTE Standards

The Raceway Series is built to the same exacting performance standards as all of the other Extreme Broadband digital passive products.



Model Number	Broadband Digital Directional Couplers - BDC1100H/V Series									
Coupler Value		4	6	9	12	16	20	24	27	30
Specification	Frequency (MHz)	Max/Min	Max/Min	Max/Min	Max/Min	Max/Min	Max/Min	Max/Min	Max/Min	Max/Min
Insertion Loss										
	5-15	3.7	2.1	1.4	1.0	0.7	0.7	0.7	0.7	0.7
	16-40	3.7	2.1	1.4	1.0	0.7	0.7	0.7	0.7	0.7
	41-400	3.7	2.1	1.4	1.0	0.7	0.7	0.7	0.7	0.7
	401-550	3.7	2.1	1.4	1.0	0.7	0.7	0.7	0.7	0.7
	551-750	4.0	2.5	1.9	1.4	0.8	0.8	0.8	0.8	0.8
	751-900	4.0	2.5	1.9	1.4	1.2	1.2	1.2	1.2	1.2
	901-1000	4.0	2.5	1.9	1.4	1.2	1.2	1.2	1.2	1.2
Isolation										
	5-15	20	20	20	20	20	20	20	20	20
	16-40	30	35	35	35	35	35	35	35	35
	41-400	20	20	20	20	20	20	20	20	20
	401-550	20	20	20	20	20	20	20	20	20
	551-750	20	20	20	20	20	20	20	20	20
	751-900	20	20	20	20	20	20	20	20	20
	901-1000	20	20	20	20	20	20	20	20	20
Return Loss										
	5-15	20	18	18	18	18	18	18	18	18
	16-40	21	19	19	20	20	20	20	20	20
	41-400	21	19	19	20	20	20	20	20	20
	401-550	21	19	19	18	18	18	18	18	18
	551-750	20	18	18	18	18	18	18	18	18
	751-900	18	18	18	18	18	18	18	18	18
	901-1000	18	18	18	18	18	18	18	18	18
Tap Loss										
	5-550	4.0+/-1.0	6.5+/-1.0	9.0+/-1.0	12.0+/-1.0	16.5+/-1.0	19.7+/-1.0	23.7+/-1.0	26.7+/-1.0	29.7+/-1.0
	551-1000	4.0+/-1.0	6.5+/-1.0	9.0+/-1.0	12.0+/-1.0	16.5+/-1.0	19.7+/-1.0	23.7+/-1.0	26.7+/-1.0	29.7+/-1.0
RFI										
		130	130	130	130	130	130	130	130	130
Surge Protection		6KV Ring Wave Surge, IEEE C62.41 Cat. A3								
Second Harmonic		-60dBmV, measured with a +55dBmV return input carrier								

Specifications Compliant Throughout Operating Temperature Of -40C to +60 C
Specifications Are Subject To Change Without Notice
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