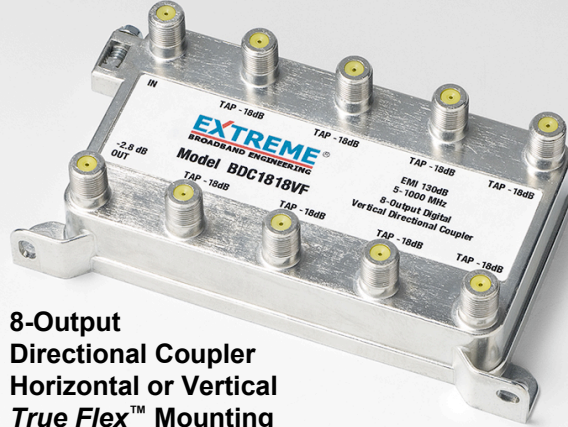


Directional Couplers 8-Output Model BDC1800VF Series

Features

- Unique *True Flex*[™] Horizontal Or Vertical Mounting
- 6kV ring wave surge protection on all ports
- Built to SCTE standards
- 1 GHz performance capabilities
- Machined F-Ports pressured sealed
- Zinc die cast housing and back cover
- Maximum corrosion protection
- Soldered back cover for -130 dB EMI shielding



Model Number		Broadband Digital Directional Couplers - BDC1800VF Series								
Coupler Value		12	15	18	21	24	27	30	33	36
Specification	Frequency (MHz)	Max/Min	Max/Min	Max/Min	Max/Min	Max/Min	Max/Min	Max/Min	Max/Min	Max/Min
Insertion Loss (dB, Max)										
	5-15		3.8	1.9	1.4	1.1	1.0	1.0	1.0	1.0
	16-40		3.6	1.8	1.2	0.9	0.8	0.8	0.8	0.8
	41-400		3.6	2.0	1.2	0.9	0.8	0.8	0.8	0.8
	401-550		3.8	2.3	1.6	1.2	1.0	1.0	1.0	1.0
	551-750		3.9	2.7	1.7	1.3	1.1	1.1	1.1	1.1
	751-1000		4.1	2.8	1.8	1.4	1.2	1.2	1.2	1.2
Tap To Tap Isolation (dB, Min)										
	5-15	20	20	20	20	20	20	20	20	20
	16-40	20	20	20	20	20	20	20	20	20
	41-400	25	25	25	25	25	25	25	25	25
	401-550	25	25	25	25	25	25	25	25	25
	551-750	24	24	24	24	24	24	24	24	24
	751-1000	22	22	22	22	22	22	22	22	22
Output To Tap Isolation (dB, Min)										
	5-15		30	28	28	35	42	45	48	50
	16-40		35	30	35	38	45	48	48	50
	41-400		30	28	35	35	36	43	43	45
	401-550		30	26	35	35	36	38	40	43
	551-750		30	26	32	33	33	38	40	40
	751-1000		30	26	30	33	33	37	40	40
Return Loss (dB, Min)										
	5-15	18	18	18	18	18	18	18	18	18
	16-40	20	20	20	20	20	20	20	20	20
	41-400	20	20	20	20	20	20	20	20	20
	401-550	18	18	18	18	18	18	18	18	18
	551-750	18	18	18	18	18	18	18	18	18
	751-1000	18	18	18	18	18	18	18	18	18
Tap Loss Tolerance (±dB)										
Nominal		12	15	18	21	24	27	30	33	36
	5-15	1	1	1	1	1	1	1	1	1
	16-40	1	1	1	1	1	1	1	1	1.2
	41-400	1	1	1	1	1	1	1	1.2	1.3
	401-550	1	1	1	1	1	1	1	1.3	1.5
	551-750	1	1	1	1	1	1	1.2	1.5	2
	751-1000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2
RFI										
	5-1000	130	130	130	130	130	130	130	130	130
6KV Ring Wave Surge, IEEE C62.41 Cat. A3										
Surge										
2nd Harmonic										
-60dBmV, measured with a +55dBmV return input carrier										

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