

**Vertical True Flex™ / Horizontal Splitters Model BDS100H-VF Series**

**Features**

- 1 GHz performance capabilities
- Built to SCTE standards
- Capacitive coupled F-ports prevent RF and hum modulation
- Machined F-Ports pressured sealed
- Zinc die cast housing and back cover
- Soldered back plate for EMI shielding



Vertical True Flex™ mounting tabs



Built To SCTE Standards

Model Number	Broadband Digital Splitters - BDS100H/VF Series									
Specification	Frequency (MHz)	BDS102H/VF		BDS103H/VF		BDS103H/VFB	BDS104H/VF		BDS106VF	BDS108H/VF
		Min/Max	Typical	Min/Max	Typical	Min/Max	Min/Max	Typical	Min/Max	Min/Max
Insertion Loss	5-10	3.5	3.5	3.5/7.0	3.5/7.0	5.5	7.1	7.1	9	10.6
	11-20	3.5	3.5	3.5/7.1	3.5/7.1	5.5	7.0	7.0	9	10.5
	21-50	3.5	3.5	3.5/7.1	3.5/7.1	5.5	7.0	7.0	9	10.5
	51-400	3.5	3.5	3.5/7.1	3.5/7.1	5.5	7.0	7.0	9.4	10.5
	401-500	3.6	3.5	3.6/7.2	3.5/7.2	5.5	7.2	7.2	9.5	10.5
	501-600	3.7	3.6	3.7/7.5	3.6/7.5	5.9	7.5	7.5	9.8	11.5
	601-900	3.8	3.6	3.8/7.9	3.6/7.7	5.9	7.7	7.6	10.1	11.5
	901-1000	3.9	3.7	3.9/7.9	3.7/7.7	5.9	7.9	7.7	10.4	11.5
<b>Isolation</b>										
	5-15	23	25	23	25	23	23	25	23	23
	16-40	35	35	35	35	35	35	35	35	35
	50-400	30	30	30	30	30	30	30	30	30
	401-500	26	30	26	30	26	26	26	26	26
	501-600	26	30	26	26	26	26	26	26	26
	601-900	26	26	26	26	26	26	26	26	26
	901-1000	23	23	23	23	23	23	23	23	23
<b>Return Loss</b>										
Output/Input	5-15	20/20	25/25	20/20	22/22	20	20/20	25/22	20	20
	16-40	30/25	30/25	30/25	30/25	30/25	30/25	30/25	30/20	30/25
	41-400	22/22	30/25	22/22	25/22	20	22/22	25/25	20	20
	401-500	22/22	25/25	22/22	25/22	20	22/22	25/25	20	20
	501-600	22/22	25/25	22/22	22/22	20	22/22	23/23	20	20
	601-900	20/20	22/22	20/20	20/22	20	20/20	22/22	20	20
	901-1000	20/20	22/22	20/20	20/22	20	20/20	20/20	20	20
<b>RFI</b>										
		130		130		130	130		130	130
<b>Second Harmonic</b>										
		-60dBmV		-60dBmV		-60dBmV	-60dBmV		-60dBmV	-60dBmV
<b>Surge Protection</b>										
		6KV Ring Wave Surge, IEEE C62.41 Cat. A3								
<b>Second Harmonic</b>										
		-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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