

Coaxial

Power Splitter/Combiner

12 Way-0°

75Ω

10 to 200 MHz

ZFSC-12-1-75+
ZFSC-12-1-75


CASE STYLE: R67

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.87W max.

Coaxial Connections

SUM PORT	S(COM)
PORT 1,2,3.....,12	1,2,3.....,12

Features

- high isolation, 30 typ.
- rugged, shielded case

Applications

- VHF
- communication systems
- instrumentation

Connectors	Model	Price	Qty.
BNC	ZFSC-12-1-75	\$179.95	(1-9)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Splitter Electrical Specifications

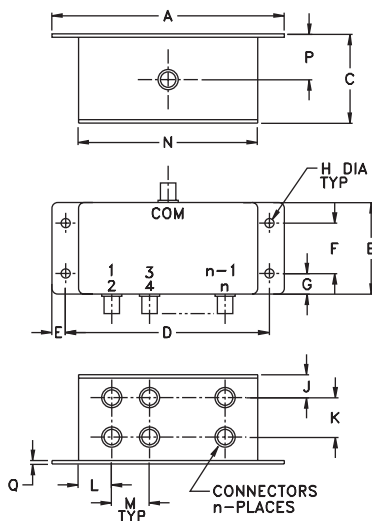
FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 10.8 dB		PHASE UNBALANCE (Degrees)		AMPLITUDE UNBALANCE (dB)					
	L	U	L	U	L	U	L	U				
	Typ. Min.	Typ. Min.	Typ. Max.	Typ. Max.	Max.	Max.	Max.	Max.				
10-200	35	27	27	20	0.5	0.8	0.8	1.3	—	—	0.25	0.4

L = low range [f_L to 100 MHz] U = upper range [$f_U/2$ to f_U]

Typical Performance Data

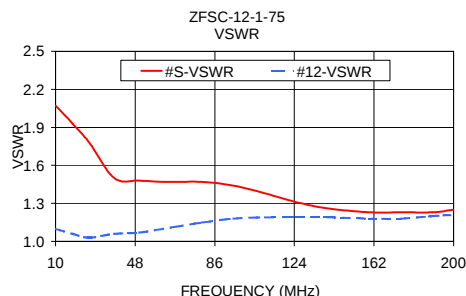
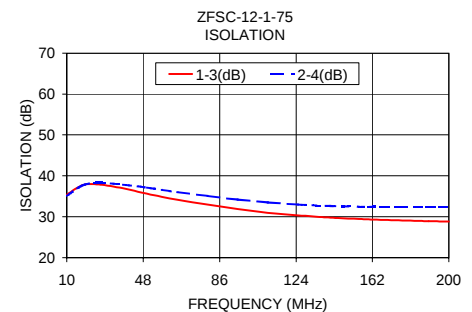
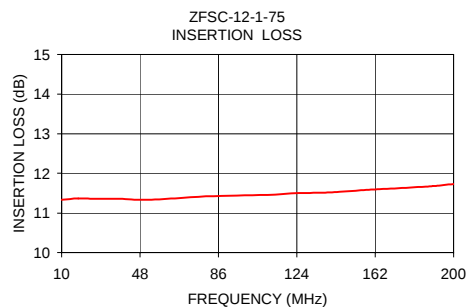
Frequency (MHz)	Insertion Loss (dB)	Amplitude Unbalance (dB)	Isolation (dB)		Phase Unbalance (deg.)	VSWR S	VSWR 12
			1-3	2-4			
10.00	11.33	0.11	35.42	35.06	0.57	2.07	1.10
18.00	11.37	0.12	37.74	37.70	0.76	1.93	1.06
26.00	11.36	0.11	37.87	38.27	1.24	1.78	1.03
38.00	11.36	0.04	36.96	37.86	1.61	1.50	1.06
50.00	11.33	0.07	35.63	37.12	1.67	1.48	1.07
65.00	11.37	0.09	34.16	36.01	1.53	1.47	1.11
80.00	11.42	0.09	32.95	35.06	1.70	1.47	1.15
95.00	11.44	0.12	31.92	34.21	1.89	1.44	1.18
110.00	11.46	0.14	30.98	33.49	1.89	1.38	1.19
125.00	11.50	0.15	30.37	33.00	2.01	1.31	1.19
140.00	11.52	0.16	29.83	32.65	2.10	1.26	1.19
160.00	11.59	0.17	29.37	32.42	2.24	1.23	1.18
175.00	11.63	0.18	29.13	32.34	2.34	1.23	1.18
190.00	11.68	0.18	28.94	32.34	2.52	1.23	1.20
200.00	11.73	0.19	28.82	32.34	2.65	1.25	1.21

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H
6.69	1.60	1.50	6.22	.24	.88	.36	.160
7.11	40.64	38.10	157.99	6.10	22.35	9.14	4.06
J	K	L	M	N	P	Q	wt.
.40	.69	1.22	.66	5.72	.81	.06	grams
10.16	17.53	30.99	16.76	145.29	20.57	1.52	500



electrical schematic



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P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661

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