

Coaxial

Power Splitter/Combiner

ZFSC-12-1-75+

12 Way-0° 75Ω 10 to 200 MHz

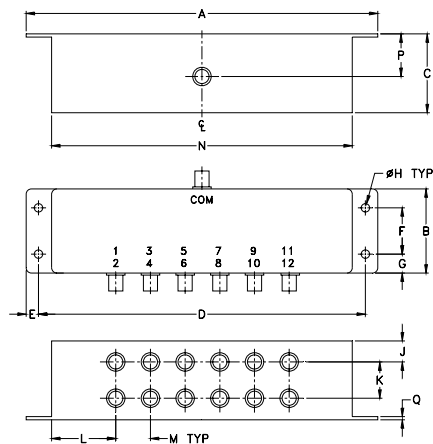
Maximum Ratings

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.
Permanent damage may occur if any of these limits are exceeded.	

Coaxial Connections

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

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
169.93	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	310.0

Features

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

Applications

- VHF
- communication systems
- instrumentation



CASE STYLE: R67

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 has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

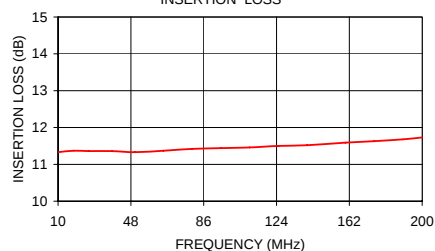
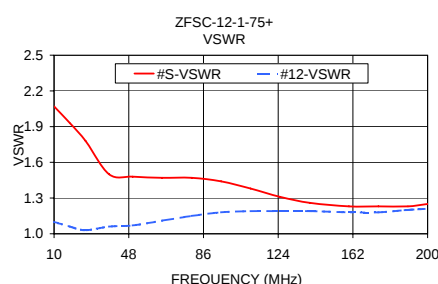
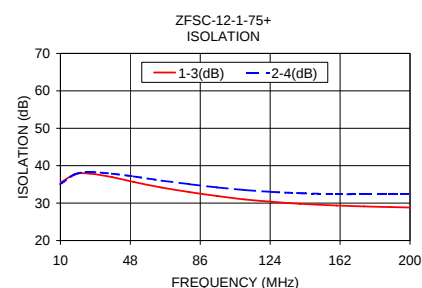
Electrical Specifications

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	L	U	L	U
f _L -f _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 10 f_L]U= upper range [f_U/2 to f_U]

Typical Performance Data

Freq. (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

ZFSC-12-1-75+
INSERTION LOSSZFSC-12-1-75+
VSWRZFSC-12-1-75+
ISOLATION

electrical schematic



For detailed performance specs & shopping online see web site

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