

Coaxial

Power Splitter/Combiner

ZFSC-84-75+

8 Way-0° 75Ω 1 to 300 MHz

Maximum Ratings

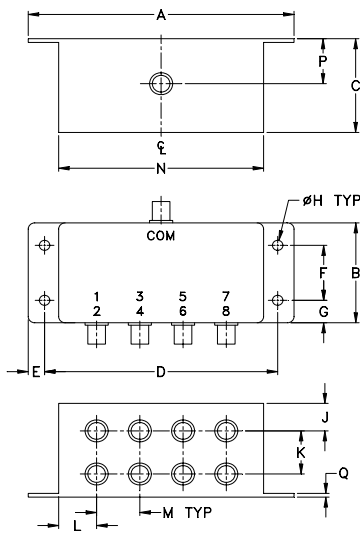
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.62W max.

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

Coaxial Connections

SUM PORT	S(COM)
PORT 1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H
4.06	1.60	1.50	3.56	.24	.88	.36	.160
103.12	40.64	38.10	90.42	6.10	22.35	9.14	4.06
J	K	L	M	N	P	Q	wt.
.40	.69	.58	.66	3.13	.72	.06	grams
10.16	17.53	14.73	16.76	79.50	18.29	1.52	200

Features

- low insertion loss, 0.7 dB typ.
- high isolation, 30 dB typ.
- excellent amplitude unbalance, 0.2 dB typ.

Applications

- VHF
- radio communications
- signal processing



BNC version shown
CASE STYLE: R29

Connectors	Model	Price	Qty.
BNC	ZFSC-84-75+	\$119.95	(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.

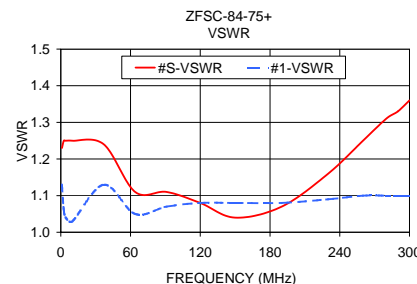
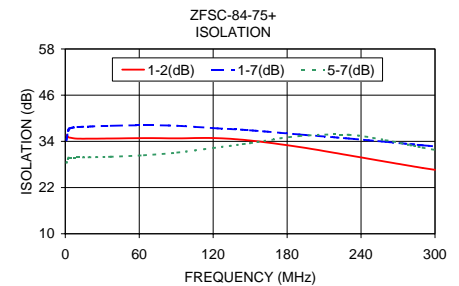
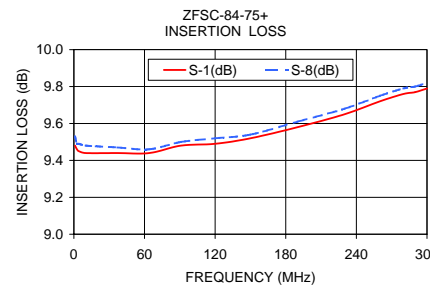
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)			INSERTION LOSS (dB) ABOVE 9.0 dB			PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)								
	L	M	U	L	M	U	L	M	U	L	M	U						
	Typ. Min.	Typ. Min.	Typ. Min.	Typ. Max.	Typ. Max.	Typ. Max.	Max.	Max.	Max.	Max.	Max.	Max.						
1-300	26	20	30	25	30	23	0.8	1.5	0.7	1.1	0.9	1.5	4.0	3.0	8.0	0.2	0.2	0.4

L = low range [f_L to $10 f_L$] M = mid range [$10 f_L$ to $f_U/2$] U = upper range [$f_U/2$ to f_U]

Typical Performance Data

Freq. (MHz)	Insertion Loss (dB)						Amplitude Unbalance (dB)	Isolation (dB)				VSWR S	VSWR 1	VSWR 8
	S-1	S-2	S-3	S-4	S-6	S-8		1-2	1-7	3-4	5-7			
1.00	9.48	9.41	9.42	9.41	9.54	9.53	0.13	35.64	34.30	28.44	28.45	1.23	1.13	1.14
2.60	9.46	9.40	9.37	9.38	9.51	9.49	0.14	35.06	36.96	29.63	29.67	1.25	1.06	1.11
4.20	9.45	9.40	9.36	9.38	9.50	9.49	0.14	34.94	37.42	29.77	29.78	1.25	1.04	1.11
10.00	9.44	9.40	9.36	9.38	9.49	9.48	0.13	34.70	37.72	29.77	29.81	1.25	1.03	1.10
37.00	9.44	9.43	9.40	9.41	9.48	9.47	0.08	34.75	38.04	29.84	30.00	1.24	1.13	1.11
64.00	9.44	9.46	9.44	9.44	9.46	9.46	0.02	34.84	38.18	30.09	30.39	1.11	1.05	1.04
91.00	9.48	9.49	9.49	9.47	9.49	9.50	0.03	34.79	38.05	30.68	31.09	1.11	1.07	1.08
120.00	9.49	9.51	9.52	9.50	9.50	9.52	0.03	34.86	37.44	31.51	32.27	1.08	1.08	1.10
150.00	9.52	9.54	9.55	9.53	9.53	9.54	0.04	34.22	36.87	32.30	33.54	1.04	1.08	1.08
190.00	9.58	9.61	9.62	9.60	9.59	9.61	0.05	32.53	35.78	32.91	35.38	1.07	1.08	1.08
230.00	9.65	9.67	9.68	9.66	9.65	9.68	0.06	30.39	34.75	32.07	35.70	1.16	1.09	1.10
260.00	9.72	9.75	9.76	9.73	9.72	9.75	0.07	28.71	33.87	30.74	34.31	1.25	1.10	1.10
280.00	9.76	9.79	9.79	9.77	9.76	9.79	0.07	27.63	33.28	29.74	33.02	1.31	1.10	1.09
290.00	9.77	9.79	9.81	9.78	9.78	9.80	0.07	27.08	32.98	29.24	32.38	1.33	1.10	1.09
300.00	9.79	9.82	9.83	9.80	9.81	9.82	0.07	26.61	32.71	28.74	31.76	1.36	1.10	1.09



electrical schematic



For detailed performance specs & shipping online see web site

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