

Coaxial Power Splitter/Combiner

ZFSC-24-1

24 Way-0° 50Ω 0.2 to 100 MHz

Maximum Ratings

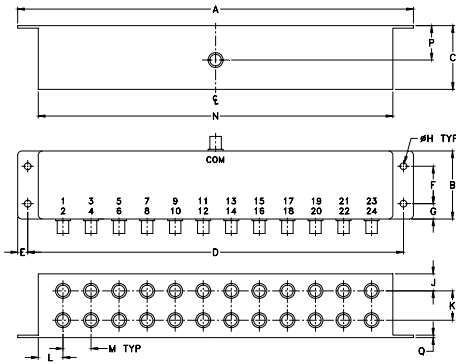
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.87W max.

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

Coaxial Connections

SUM PORT	S (COM)
PORT 1,2,3,4,.....,24	1,2,3,4,.....,24

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H
9.31	1.60	1.50	8.84	.24	.88	.36	.160
236.47	40.64	38.10	224.54	6.10	22.35	9.14	4.06
J	K	L	M	N	P	Q	wt.
.40	.69	.54	.66	8.34	.81	.06	grams
10.16	17.53	13.72	16.76	211.84	20.57	1.52	490.0

Features

- good isolation, 25 dB typ.
- rugged shielded case

Applications

- HF/VHF
- test set-ups
- instrumentation



BNC version shown

CASE STYLE: R31

Connectors	Model	Price	Qty.
BNC	ZFSC-24-1	\$264.95	(1-9)
SMA	ZFSC-24-1-S	\$329.95	(1-9)

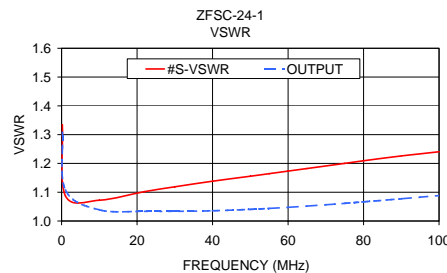
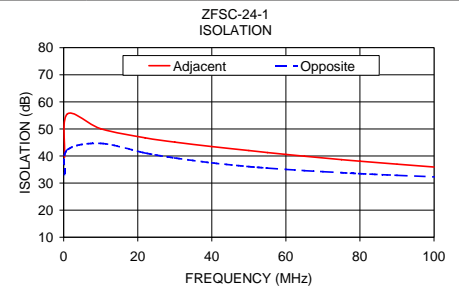
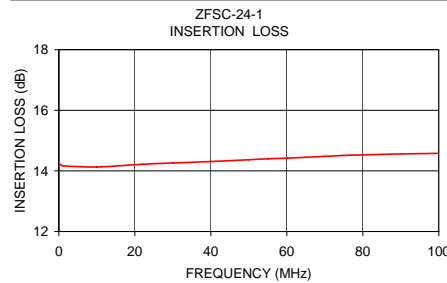
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 13.8 dB		AMPLITUDE UNBALANCE (dB)		
	(Entire band)		(Entire band)		L	M	U
f_L - f_U	Typ.	Min.	Typ.	Max.	Max.	Max.	Max.
0.2-100	25	20	1.0	2.0	0.6	0.4	0.5

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 OUTPUT
			S-1			
			Adjacent	Opposite		
0.20	14.24	0.04	39.41	33.21	1.33	1.31
1.00	14.17	0.02	55.54	42.27	1.09	1.11
10.00	14.13	0.02	50.08	44.68	1.07	1.04
22.00	14.22	0.01	46.72	41.12	1.10	1.03
30.00	14.26	0.02	45.13	39.29	1.12	1.03
40.00	14.31	0.02	43.49	37.48	1.14	1.04
50.00	14.37	0.03	42.03	36.11	1.16	1.04
55.00	14.40	0.03	41.27	35.55	1.16	1.04
60.00	14.42	0.04	40.59	35.07	1.17	1.05
65.00	14.45	0.04	39.94	34.61	1.18	1.05
70.00	14.48	0.04	39.30	34.22	1.19	1.06
75.00	14.51	0.05	38.67	33.85	1.20	1.06
80.00	14.53	0.05	38.09	33.49	1.21	1.07
90.00	14.56	0.06	36.99	32.88	1.23	1.08
100.00	14.58	0.07	35.94	32.31	1.24	1.09



electrical schematic



For detailed performance specs & shopping online see web site

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IF/RF MICROWAVE COMPONENTS

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