

Coaxial

Power Splitter/Combiner

ZFSC-16-1

16 Way-0° 50Ω 0.5 to 125 MHz

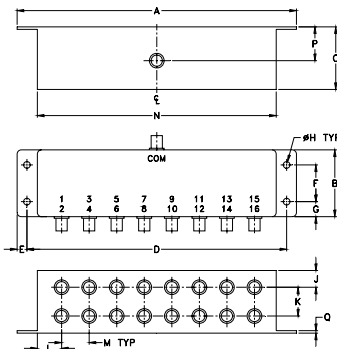
Maximum Ratings

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,.....,16	1,2,3,.....,16

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	.55	.66	5.72	.81	.06	grams
10.16	17.53	13.97	16.76	145.29	20.57	1.52	320

Features

- good isolation, 25 dB typ.
- excellent amplitude unbalance, 0.2 dB typ.
- rugged shielded case

Applications

- HF/VHF
- instrumentation
- communication systems



BNC version shown

CASE STYLE: R30

Connectors	Model	Price	Qty.
BNC	ZFSC-16-1	\$172.95	(1-9)
SMA	ZFSC-16-1-S	\$217.95	(1-9)

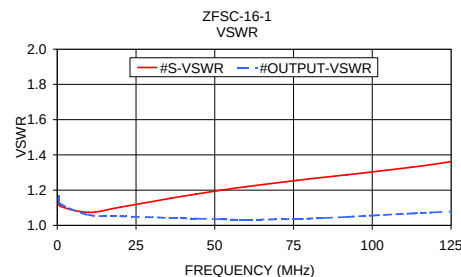
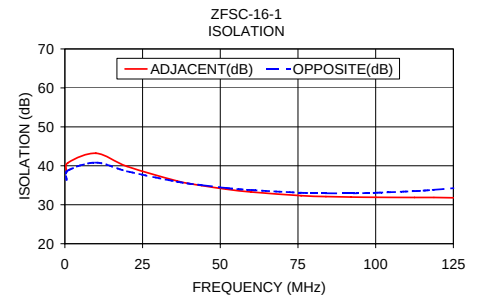
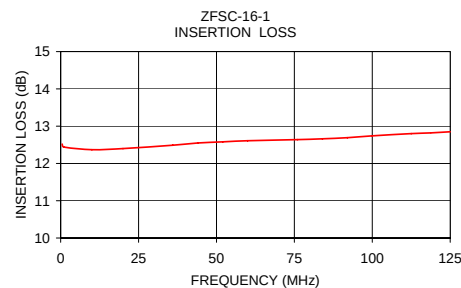
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 12 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		L		M		U		L		M		U	
f_L - f_U	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
0.5-125	30	24	25	18	20	15	1.0	1.2	1.1	1.3	1.2	1.4	1	3	5	0.3	0.2	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)		Phase Unbalance (deg.)	VSWR S	VSWR 1
			Adjacent	Opposite			
	S-1						
0.50	12.52	0.02	38.29	36.39	0.35	1.15	1.17
1.00	12.44	0.02	40.79	38.80	0.28	1.11	1.12
10.00	12.37	0.03	43.22	40.82	0.22	1.07	1.06
20.00	12.40	0.02	39.84	38.60	0.24	1.10	1.05
36.00	12.49	0.03	36.13	35.94	0.51	1.15	1.04
44.00	12.55	0.03	34.93	35.05	0.61	1.18	1.04
52.00	12.58	0.04	33.98	34.30	0.63	1.20	1.03
60.00	12.61	0.04	33.28	33.77	0.73	1.22	1.03
76.00	12.64	0.03	32.34	33.09	0.90	1.26	1.04
84.00	12.66	0.05	32.10	32.96	1.04	1.27	1.04
92.00	12.69	0.06	31.97	32.94	1.17	1.29	1.05
100.00	12.74	0.06	31.92	33.09	1.24	1.30	1.06
112.50	12.80	0.05	31.88	33.50	1.42	1.33	1.07
118.75	12.82	0.04	31.88	33.85	1.52	1.34	1.07
125.00	12.85	0.07	31.79	34.29	1.58	1.36	1.08



electrical schematic



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For detailed performance specs
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