

Coaxial Power Splitter/Combiner

16 Way-0° 50Ω 0.5 to 125 MHz

Maximum Ratings

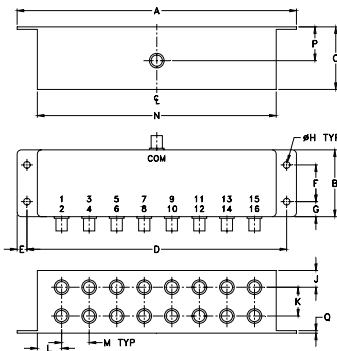
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.87W max.

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)

+RoHS Compliant

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

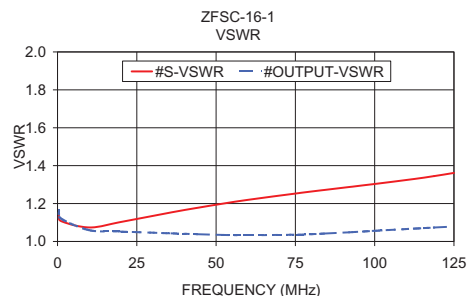
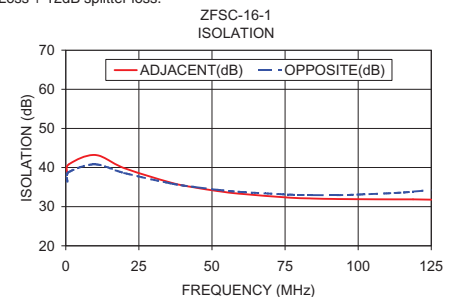
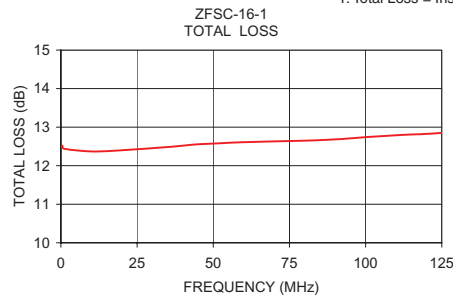
Electrical Specifications

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	L	M	U
	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
f _L -f _U																		
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

Typical Performance Data

Freq. (MHz)	Total Loss¹ (dB)	Amplitude Unbalance (dB)	Isolation (dB)		Phase Unbalance (deg.)	VSWR S	VSWR 1
			Adjacent	Opposite			
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

1. Total Loss = Insertion Loss + 12dB splitter loss.



electrical schematic



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