

Coaxial

Power Splitter/Combiner

16 Way-0° 50Ω 0.1 to 200 MHz

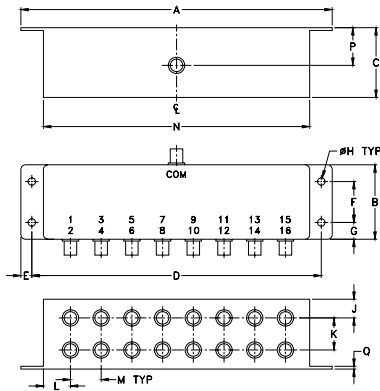
Maximum Ratings

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.

Coaxial Connections

SUM PORT	S
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

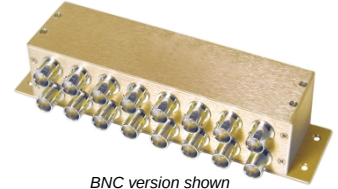
Features

- low insertion loss, 0.7 dB typ.
- high isolation, 27 dB typ.
- excellent amplitude unbalance, 0.2 dB typ.
- rugged shielded case

Applications

- HF/VHF
- communication systems
- instrumentation

ZFSC-16-12+
ZFSC-16-12



BNC version shown
CASE STYLE: R30

Connectors	Model	Price	Qty.
BNC	ZFSC-16-12(+)	\$189.95	(1-9)
SMA	ZFSC-16-12-S(+)	\$234.95	(1-9)

+ RoHS compliant in accordance
with EU Directive (2002/95/EC)

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

Electrical Specifications

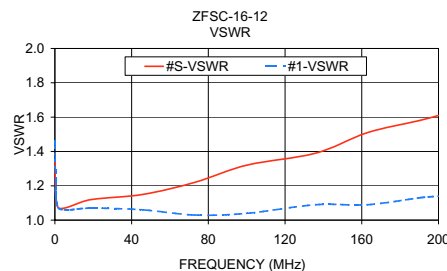
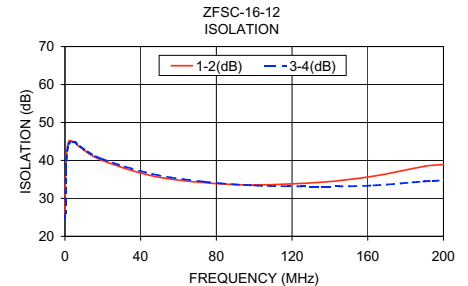
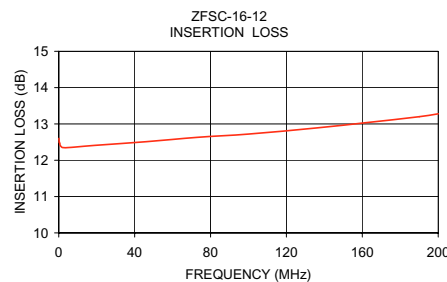
FREQ.* RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 12 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		L		M		U		L		M		U	
	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
0.1-200	33	20	27	20	26	20	0.6	1.5	0.7	1.0	0.9	1.5	2	6	9	0.4	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]

* At low range frequency band (f_L to 10 f_L), linearly derate maximum input power by 13 dB typ.

Typical Performance Data

Freq. (MHz)	Insertion Loss (dB)	Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR OUTPUT
S-1		1-2		3-4		
0.10	12.60	0.04	25.58	24.82	0.62	1.34
0.30	12.50	0.02	34.87	33.94	0.19	1.17
0.50	12.47	0.02	38.86	37.80	0.17	1.13
0.80	12.41	0.02	41.54	40.38	0.13	1.10
2.00	12.35	0.01	45.05	44.32	0.10	1.07
5.00	12.35	0.01	44.72	44.92	0.09	1.07
8.00	12.36	0.01	43.49	43.69	0.11	1.08
19.00	12.41	0.01	40.14	40.52	0.28	1.12
46.00	12.51	0.01	35.94	36.47	0.56	1.15
73.00	12.63	0.03	34.17	34.44	0.93	1.22
100.00	12.72	0.03	33.55	33.42	1.34	1.32
136.00	12.89	0.05	34.28	33.13	1.93	1.39
163.00	13.04	0.06	35.86	33.42	2.51	1.51
190.00	13.20	0.09	38.46	34.49	2.95	1.58
200.00	13.28	0.11	38.92	34.74	3.23	1.61



electrical schematic



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