

Coaxial

Power Splitter/Combiner

12 Way-0° 50Ω 1 to 200 MHz

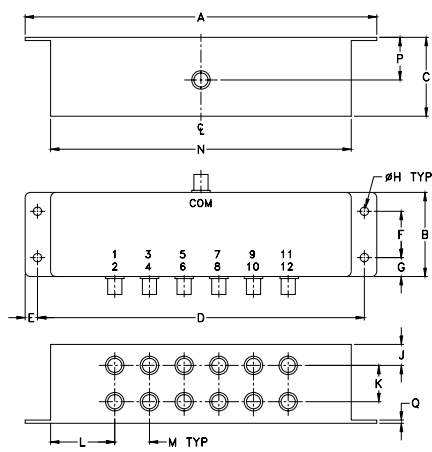
Maximum Ratings

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(COM)
PORT 1,2,3,.....,12	1,2,3,.....,12

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	1.22	.66	5.72	.81	.06	grams
10.16	17.53	30.99	16.76	145.29	20.57	1.52	310.0

Features

- high isolation, 35 dB typ.
- excellent amplitude unbalance, 0.2 dB typ.
- rugged shielded case

Applications

- HF/VHF
- instrumentation
- communication systems



BNC version shown
CASE STYLE: R67

Connectors	Model
BNC	ZFSC-12-1(+)
SMA	ZFSC-12-1-S(+)

+ 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.

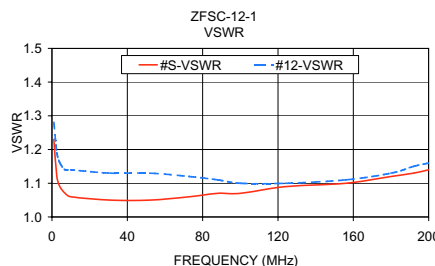
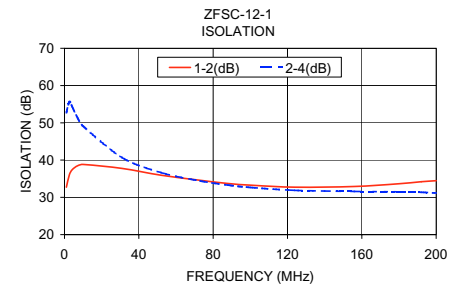
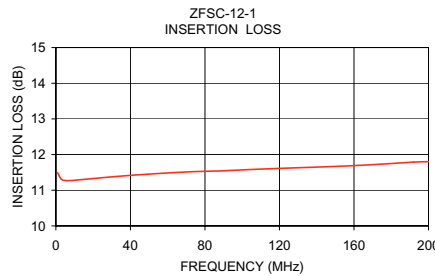
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)			INSERTION LOSS (dB) ABOVE 10.8 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.				
1-200	30	25	35	20	28	20	0.8	1.2	1.1	1.4	1.3	1.6	4	8	16	0.3	0.2	0.3

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 12
			1-3	2-4			
1.00	11.49	0.03	32.74	52.71	0.08	1.23	1.28
2.60	11.33	0.02	36.03	55.64	0.08	1.12	1.19
4.20	11.28	0.01	37.46	54.20	0.07	1.09	1.16
7.00	11.27	0.01	38.46	51.38	0.06	1.07	1.14
10.00	11.28	0.01	38.83	49.13	0.09	1.06	1.14
31.00	11.38	0.01	37.76	40.69	0.34	1.05	1.13
52.00	11.46	0.02	35.95	36.66	0.59	1.05	1.13
73.00	11.52	0.03	34.57	34.40	0.82	1.06	1.12
88.00	11.54	0.04	33.72	33.29	0.97	1.07	1.11
100.00	11.57	0.06	33.27	32.66	1.14	1.07	1.10
124.00	11.62	0.08	32.73	31.90	1.42	1.09	1.10
156.00	11.68	0.13	32.91	31.60	1.87	1.10	1.11
180.00	11.75	0.18	33.65	31.49	2.23	1.12	1.13
192.00	11.79	0.21	34.19	31.36	2.43	1.13	1.15
200.00	11.80	0.22	34.48	31.18	2.59	1.14	1.16



electrical schematic



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