

Coaxial

Power Splitter/Combiner

4 Way-0° 50Ω 1 to 1000 MHz

ZFSC-4-1+
ZFSC-4-1

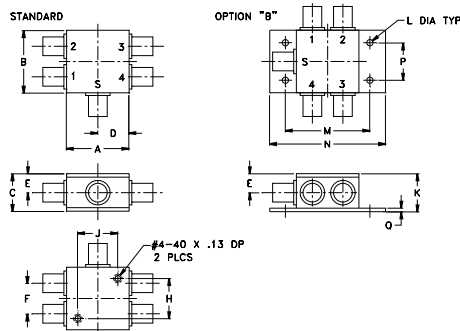

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.250W max.

Coaxial Connections

SUM PORT	S
PORT 1	1
PORT 2	2
PORT 3	3
PORT 4	4

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H
1.25	1.25	.75	.63	.38	.61	--	.80
31.75	31.75	19.05	16.00	9.65	15.49	--	20.32

J	K	L	M	N	P	Q	wt
.80	.76	.125	1.688	2.18	.75	.07	grams
20.32	19.30	3.18	42.88	55.37	19.05	1.78	85.0

Features

- wideband, 1 to 1000 MHz
- low insertion loss, 0.6 dB typ.
- good isolation, 23 dB typ.

Applications

- cellular
- UHF
- ISM
- transmitters/receivers

 BNC version shown
 CASE STYLE: G15

Connectors	Model	Price	Qty.
BNC	ZFSC-4-1-BNC(+)	\$89.95	(1-9)
SMA	ZFSC-4-1-S(+)	\$89.95	(1-9)
BRACKET (OPTION "B")		\$2.50	(1+)

+ 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.

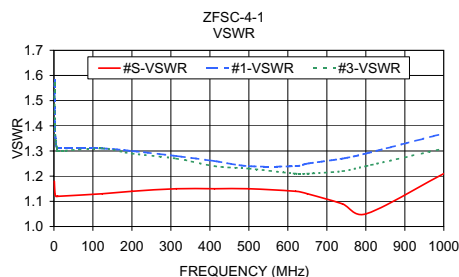
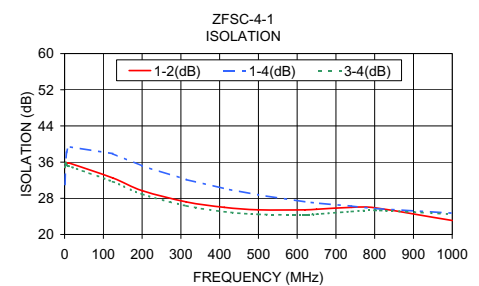
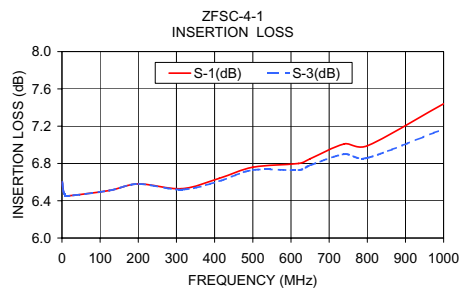
Splitter Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 6.0 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.

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)				Amp. Unbal. (dB)	Isolation (dB)			Phase Unbal. (deg.)	VSWR S	VSWR 1	VSWR 2	VSWR 3	VSWR 4
	S-1	S-2	S-3	S-4		1-2	1-4	3-4						
1.00	6.60	6.60	6.60	6.60	0.00	34.76	31.08	34.88	0.18	1.18	1.58	1.58	1.57	1.57
2.60	6.53	6.53	6.53	6.53	0.01	35.90	36.14	35.85	0.06	1.13	1.40	1.40	1.39	1.39
5.00	6.48	6.49	6.48	6.48	0.01	35.80	38.16	35.39	0.06	1.12	1.33	1.33	1.33	1.33
8.00	6.47	6.47	6.47	6.46	0.01	35.80	39.09	35.17	0.04	1.12	1.31	1.31	1.31	1.31
10.00	6.45	6.46	6.45	6.46	0.01	35.86	39.42	35.16	0.09	1.12	1.31	1.31	1.30	1.30
124.00	6.51	6.51	6.51	6.51	0.00	32.51	37.88	31.70	0.21	1.13	1.31	1.31	1.31	1.31
200.00	6.58	6.58	6.58	6.58	0.00	29.70	35.16	28.92	0.42	1.14	1.30	1.30	1.29	1.30
314.00	6.53	6.53	6.52	6.53	0.01	27.20	32.16	26.36	0.61	1.15	1.28	1.28	1.27	1.27
412.00	6.64	6.63	6.61	6.61	0.02	25.99	30.15	25.04	0.78	1.15	1.26	1.26	1.24	1.25
500.00	6.76	6.75	6.73	6.74	0.03	25.45	28.75	24.45	0.91	1.15	1.24	1.25	1.23	1.23
620.00	6.80	6.77	6.73	6.74	0.07	25.45	27.23	24.36	1.12	1.14	1.24	1.25	1.21	1.22
650.00	6.85	6.83	6.78	6.80	0.07	25.58	26.96	24.49	1.26	1.13	1.25	1.26	1.21	1.23
740.00	7.01	6.98	6.90	6.92	0.11	25.99	26.28	25.07	1.30	1.09	1.27	1.28	1.22	1.24
800.00	6.99	6.96	6.86	6.88	0.13	25.91	25.75	25.35	1.56	1.05	1.29	1.29	1.24	1.26
1000.00	7.44	7.40	7.17	7.21	0.27	23.10	24.73	24.49	2.03	1.21	1.37	1.38	1.31	1.35



electrical schematic



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