

Coaxial

Power Splitter/Combiner

2 Way-0° 50Ω 0.2 to 1000 MHz

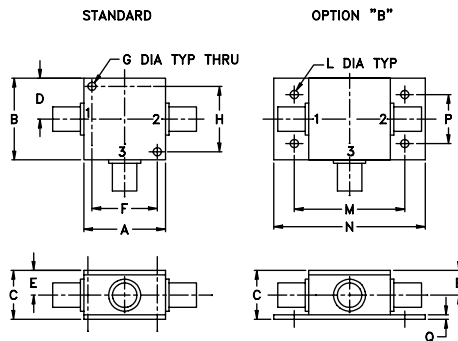
Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.125W max.

Coaxial Connections

SUMPORT	3
PORT 1	1
PORT 2	2

Outline Drawing



Outline Dimensions (inch mm)

A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	Wt
1.25	1.25	.75	.63	.38	1.00	.125	1.000	--	--	.125	1.688	2.18	.75	.07	grams
31.75	31.75	19.05	16.00	9.65	25.40	3.18	25.40	--	--	3.18	42.88	55.37	19.05	1.78	70.0

For option B with N-type connectors, dimension "C" increases to 0.94 inches.

Features

- wideband, 0.2 to 1000 MHz
- low insertion loss, 0.5 dB typ.
- good isolation, 25 dB typ.
- excellent amplitude unbalance, 0.1 dB typ.
- excellent phase unbalance, 0.5 deg. typ.
- rugged shielded case

Applications

- cellular
- VHF/UHF
- instrumentation

ZFSC-2-4+ ZFSC-2-4



BNC version shown
CASE STYLE: K18

Connectors	Model	Price	Qty.
BNC	ZFSC-2-4(+)	\$55.95	(1-9)
SMA	ZFSC-2-4-S(+)	\$60.95	(1-9)
N-TYPE	ZFSC-2-4-N(+)	\$60.95	(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.

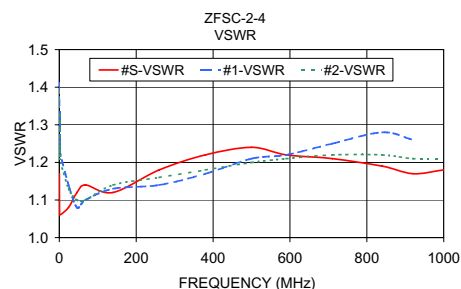
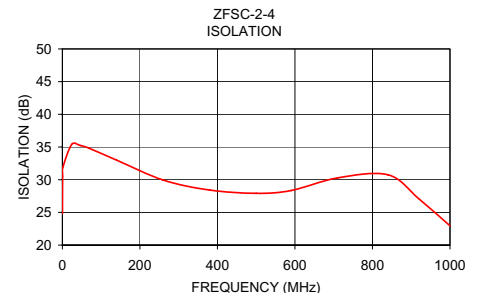
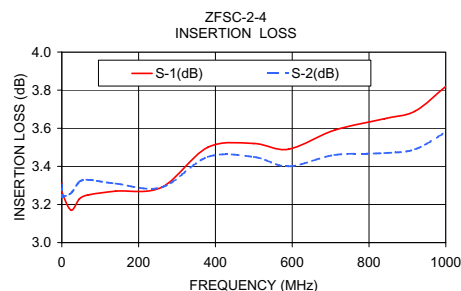
Splitter Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 3.0 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.
0.2-1000	20	15	25	20	23	18	0.2	0.8	0.5	1.0	0.9	1.2	2	4	4	0.15	0.15	0.30

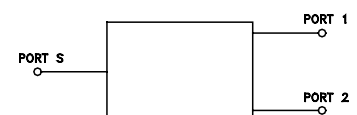
L = low range [f_L to $10 f_L$] M = mid range [$10 f_L$ to $f_U/2$] U = upper range [$f_U/2$ to f_U]

Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
0.20	3.31	3.30	0.02	24.83	0.10	1.17	1.41	1.39
0.70	3.29	3.24	0.05	30.54	0.20	1.07	1.25	1.23
1.00	3.26	3.24	0.03	31.83	0.36	1.06	1.23	1.21
24.00	3.17	3.26	0.09	35.39	0.03	1.08	1.14	1.13
46.00	3.23	3.32	0.08	35.23	0.09	1.12	1.08	1.10
68.00	3.25	3.33	0.08	34.84	0.18	1.14	1.10	1.10
140.00	3.27	3.31	0.04	32.99	0.27	1.12	1.13	1.14
260.00	3.29	3.29	0.01	29.95	0.36	1.18	1.14	1.16
380.00	3.50	3.45	0.04	28.42	0.25	1.22	1.17	1.18
500.00	3.52	3.45	0.07	27.91	0.21	1.24	1.21	1.20
590.00	3.49	3.40	0.09	28.34	0.17	1.22	1.22	1.21
710.00	3.59	3.46	0.13	30.28	0.34	1.21	1.25	1.22
840.00	3.65	3.47	0.18	30.75	0.49	1.19	1.28	1.22
920.00	3.69	3.49	0.20	27.07	0.65	1.17	1.26	1.21
1000.00	3.82	3.58	0.24	22.95	0.81	1.18	1.27	1.21



electrical schematic



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