

Coaxial

Power Splitter/Combiner

3 Way-0° 50Ω 1 to 1000 MHz

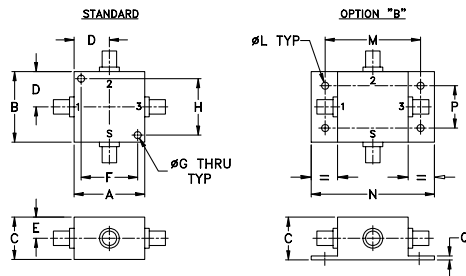
Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.375W max.
Permanent damage may occur if any of these limits are exceeded.	

Coaxial Connections

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

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	1.000	.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	75.0

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

Features

- very wideband, 1 to 1000 MHz
- low insertion loss, 0.7 dB typ.
- rugged shielded case

Applications

- cellular
- instrumentation
- communication system

ZFSC-3-4+
ZFSC-3-4



BNC version shown
CASE STYLE: J17

Connectors	Model	Price	Qty.
BNC	ZFSC-3-4+	\$59.95	(1-9)
SMA	ZFSC-3-4-S+	\$64.95	(1-9)
N-TYPE	ZFSC-3-4-N(+)	\$64.95	(1-9)
BRACKET (OPTION "B")		\$5.00	(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.

Electrical Specifications

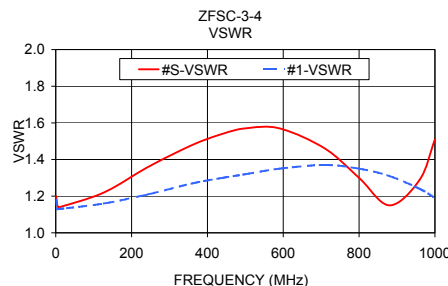
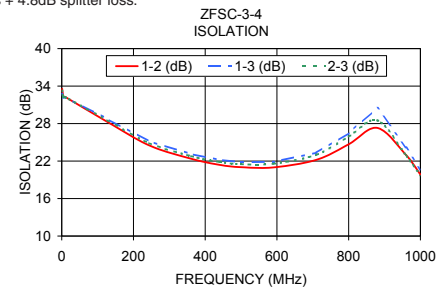
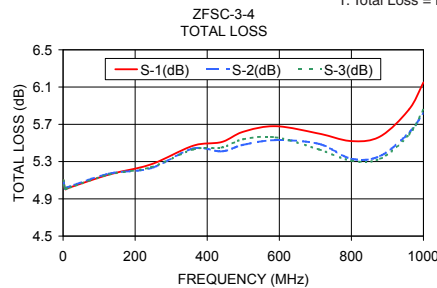
FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 4.8 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		L		M		U		L		M		U	
f_L - f_U	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
1-1000	35	20	20	18	20	17	0.2	0.5	0.7	1.4	1.0	2.0	3.0	6.0	10	0.2	0.4	0.9

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]

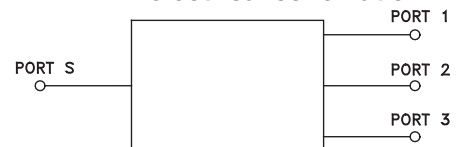
Typical Performance Data

Freq. (MHz)	Total Loss ¹ (dB)			Amp. Unbal. (dB)	Isolation (dB)			Phase Unbal. (deg.)	VSWR S	VSWR 1	VSWR 2	VSWR 3
	S-1	S-2	S-3		1-2	1-3	2-3					
1.00	5.10	5.09	5.10	0.01	33.57	32.78	33.29	0.07	1.20	1.18	1.18	1.18
4.20	5.02	5.02	5.02	0.00	32.41	32.18	32.26	0.06	1.15	1.13	1.13	1.13
7.00	5.00	5.01	5.01	0.01	32.31	32.19	32.24	0.06	1.14	1.13	1.13	1.13
10.00	5.01	5.02	5.01	0.01	32.25	32.20	32.23	0.08	1.14	1.13	1.13	1.13
127.00	5.16	5.17	5.16	0.01	28.28	28.76	28.53	0.18	1.22	1.16	1.16	1.16
244.00	5.27	5.23	5.24	0.04	24.51	25.17	24.87	0.59	1.36	1.21	1.21	1.21
361.00	5.47	5.44	5.43	0.04	22.37	23.12	22.78	0.36	1.48	1.27	1.27	1.27
440.00	5.51	5.41	5.45	0.11	21.40	22.18	21.86	0.43	1.54	1.30	1.30	1.30
500.00	5.62	5.48	5.54	0.15	21.02	21.83	21.51	0.48	1.57	1.32	1.33	1.32
590.00	5.68	5.53	5.56	0.15	20.99	21.88	21.58	0.43	1.57	1.35	1.36	1.34
710.00	5.60	5.49	5.43	0.17	22.20	23.34	23.02	0.76	1.46	1.37	1.37	1.35
800.00	5.52	5.33	5.31	0.20	24.69	26.47	25.94	1.01	1.30	1.35	1.35	1.33
880.00	5.57	5.36	5.33	0.24	27.31	30.51	28.51	0.98	1.15	1.31	1.30	1.27
960.00	5.86	5.61	5.59	0.28	22.98	24.19	22.90	1.16	1.29	1.24	1.22	1.19
1000.00	6.15	5.82	5.86	0.33	19.85	20.65	19.71	2.67	1.51	1.19	1.16	1.14

1. Total Loss = Insertion Loss + 4.8dB splitter loss.



electrical schematic



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