

Power Splitter/Combiner

ZFSC-4-1+

4 Way-0° 50Ω 1 to 1000 MHz



BNC version shown
CASE STYLE: G15

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.

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
PORT 4	4

Features

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

Applications

- cellular
- UHF
- ISM
- transmitters/receivers

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)

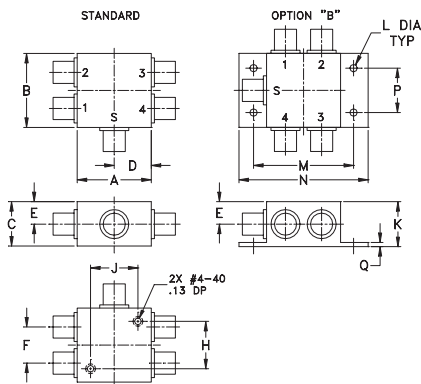
The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

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	L	M	U
	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
1-1000	25	20	23	18	20	15	0.4	1.2	0.6	1.5	1.6	2.5	4	8	8	0.2	0.4	0.7

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]

Outline Drawing



Outline Dimensions (inch/mm)

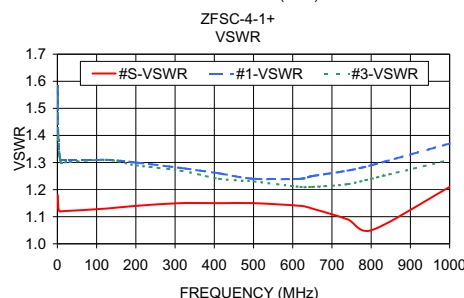
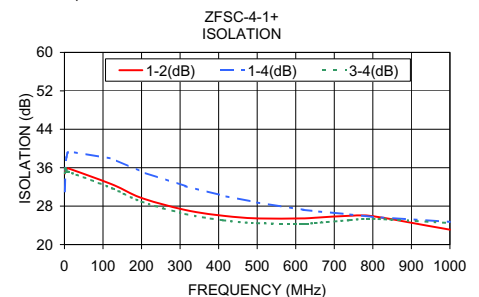
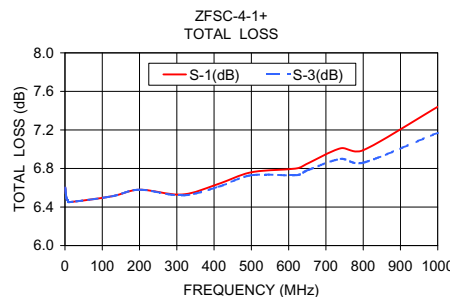
A	B	C	D	E	F	G	H
1.25	1.25	.75	.63	.38	.61	--	.80
31.75	31.75	19.05	16.00	9.65	15.49	--	20.32

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

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	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

1. Total Loss = Insertion Loss + 6dB splitter loss.



electrical schematic



For detailed performance specs & shopping online see web site

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