

Coaxial

Power Splitter/Combiner

ZSC-4-1-75+

4 Way-0° 75Ω 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	0.250W max.

Coaxial Connections

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

Features

- wideband, 1 to 200 MHz
- good isolation, 25 dB typ.
- excellent VSWR, 1.05:1 typ.
- rugged shielded case

Applications

- HF/VHF
- radio communication

CASE STYLE: N27

Connectors	Model	Price	Qty.
BNC	ZSC-4-1-75+	\$59.95	(1-9)
BRACKET(OPTION "B")		\$5.00	(1+)
BRACKET(OPTION "BR")		\$1.50	(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

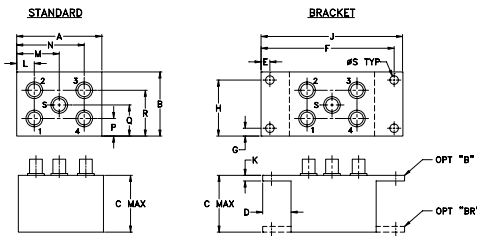
FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 6.0 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		L		M		U		L	M	U	L	M	U
	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
f_L - f_U																		
1-200	30	20	25	20	25	20	0.4	0.7	0.5	0.8	0.7	1.2	4	6	10	0.15	0.20	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

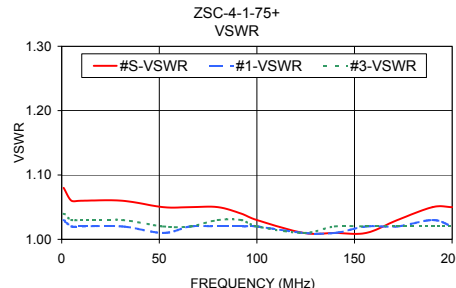
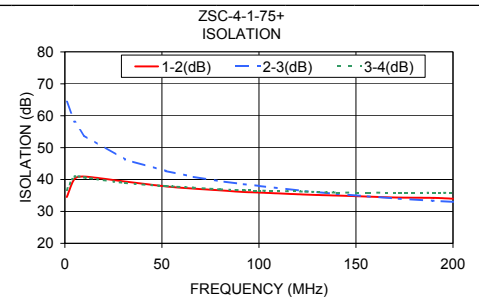
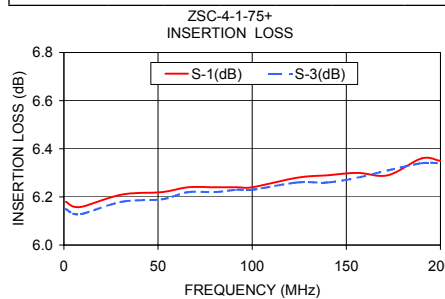
Freq. (MHz)	Insertion Loss (dB)				Amp. Unbal. (dB)	Isolation (dB)			Phase Unbal. (deg.)	VSWR S	VSWR 1	VSWR 2	VSWR 3	VSWR 4
	S-1	S-2	S-3	S-4		1-2	2-3	3-4						
1.00	6.18	6.19	6.15	6.14	0.05	34.52	64.35	36.73	0.27	1.08	1.03	1.03	1.04	1.04
5.00	6.16	6.14	6.13	6.13	0.03	40.21	58.11	40.89	0.03	1.06	1.02	1.02	1.03	1.02
10.00	6.16	6.16	6.13	6.13	0.03	40.92	53.77	40.67	0.17	1.06	1.02	1.02	1.03	1.02
31.00	6.21	6.20	6.18	6.18	0.03	39.37	46.26	38.91	0.05	1.06	1.02	1.02	1.03	1.02
52.00	6.22	6.23	6.19	6.19	0.04	37.86	42.68	37.96	0.17	1.05	1.01	1.01	1.02	1.01
66.00	6.24	6.23	6.22	6.22	0.02	37.17	40.88	37.44	0.22	1.05	1.02	1.02	1.02	1.02
80.00	6.24	6.26	6.22	6.22	0.04	36.61	39.47	36.94	0.26	1.05	1.02	1.02	1.03	1.02
92.00	6.24	6.25	6.23	6.22	0.03	36.09	38.57	36.64	0.30	1.04	1.02	1.02	1.03	1.02
100.00	6.24	6.26	6.23	6.24	0.03	35.92	38.00	36.52	0.47	1.03	1.02	1.02	1.02	1.02
124.00	6.28	6.27	6.26	6.27	0.02	35.29	36.36	36.20	0.43	1.01	1.01	1.01	1.01	1.01
140.00	6.29	6.29	6.26	6.27	0.03	34.97	35.50	35.92	0.47	1.01	1.01	1.01	1.02	1.01
156.00	6.30	6.29	6.28	6.27	0.03	34.65	34.72	35.91	0.33	1.01	1.02	1.02	1.02	1.02
172.00	6.29	6.30	6.31	6.28	0.02	34.35	33.98	35.79	0.56	1.03	1.02	1.02	1.02	1.02
190.00	6.36	6.34	6.34	6.35	0.02	34.25	33.34	35.86	0.64	1.05	1.03	1.03	1.02	1.03
200.00	6.35	6.33	6.34	6.31	0.03	33.98	33.01	35.79	0.67	1.05	1.02	1.02	1.02	1.02

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	J
2.25	1.38	1.24	.50	.150	3.100	.138	1.238	3.25
57.15	35.05	31.50	12.70	3.81	78.74	3.51	31.45	82.55
K	L	M	N	P	Q	R	S	wt
.10	.48	1.13	1.78	.36	.69	1.01	.150	grams
2.54	12.19	28.70	45.21	9.14	17.53	25.65	3.81	92.0



electrical schematic



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