

Coaxial

Power Splitter/Combiner

4 Way-0° 50Ω 0.25 to 250 MHz

ZSC-4-3+
ZSC-4-3

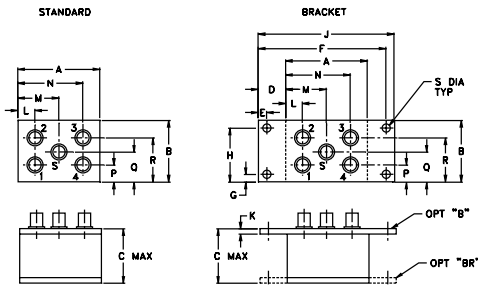

Maximum Ratings

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	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

Features

- wideband, 0.25 to 250 MHz
- high isolation, 30 dB typ.
- good VSWR, 1.20:1 typ.
- rugged shielded case

Applications

- HF/VHF
- amateur radio

CASE STYLE: N27

Connectors	Model	Price	Qty.
BNC	ZSC-4-3(+)	\$56.95	(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 identifies RoHS Compliance. See our web site
for RoHS Compliance methodologies and qualifications.

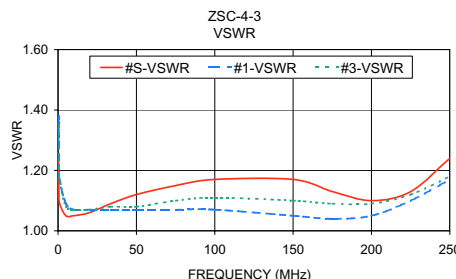
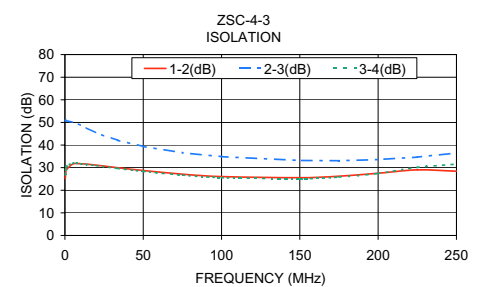
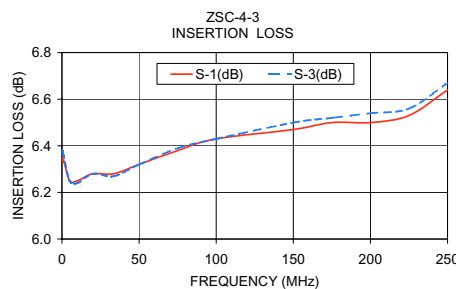
Splitter Electrical Specifications

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.
0.25-250	33	20	30	20	27	20	0.4	0.7	0.5	0.75	0.7	1.2	4	6	10	0.15	0.20	0.25

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)			VSWR S	VSWR 1	VSWR 2	VSWR 3	VSWR 4
	S-1	S-2	S-3	S-4		1-2	2-3	3-4					
0.25	6.35	6.38	6.38	6.38	0.03	25.15	50.85	26.87	1.23	1.38	1.38	1.35	1.35
0.50	6.33	6.36	6.36	6.36	0.03	27.67	50.90	29.42	1.13	1.22	1.22	1.21	1.20
1.00	6.34	6.35	6.36	6.36	0.02	29.04	50.78	30.51	1.09	1.17	1.17	1.16	1.16
5.00	6.25	6.24	6.25	6.25	0.01	31.59	50.05	31.90	1.05	1.09	1.09	1.08	1.08
10.00	6.25	6.25	6.24	6.24	0.01	31.74	48.80	31.71	1.05	1.07	1.07	1.07	1.07
20.00	6.28	6.27	6.28	6.27	0.01	31.11	45.32	30.91	1.06	1.07	1.07	1.07	1.07
33.60	6.28	6.27	6.27	6.28	0.01	29.98	42.15	29.70	1.09	1.07	1.08	1.08	1.07
50.00	6.32	6.33	6.32	6.33	0.01	28.72	39.38	28.38	1.12	1.07	1.08	1.08	1.08
75.20	6.38	6.39	6.39	6.39	0.01	27.10	36.59	26.71	1.15	1.07	1.09	1.10	1.08
100.00	6.43	6.45	6.43	6.45	0.02	26.05	34.88	25.63	1.17	1.07	1.10	1.11	1.08
150.10	6.47	6.49	6.50	6.48	0.03	25.56	33.18	25.13	1.17	1.05	1.09	1.10	1.07
175.10	6.50	6.53	6.52	6.51	0.03	26.21	33.08	25.85	1.13	1.04	1.08	1.09	1.05
200.00	6.50	6.54	6.54	6.51	0.04	27.54	33.57	27.46	1.10	1.05	1.08	1.09	1.05
225.00	6.53	6.57	6.56	6.54	0.04	29.03	34.68	30.13	1.13	1.10	1.11	1.12	1.09
250.00	6.64	6.70	6.67	6.64	0.06	28.42	36.51	31.57	1.24	1.17	1.18	1.18	1.15



electrical schematic



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RF/IF MICROWAVE COMPONENTS

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