

Coaxial

Power Splitter/Combiner

4 Way-0° 75Ω 0.25 to 250 MHz

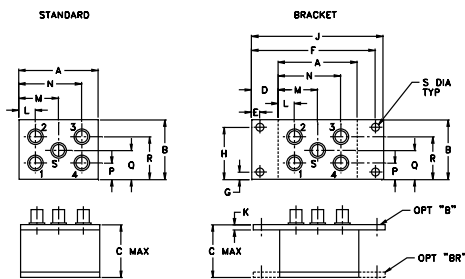
Maximum Ratings

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.
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

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
- radio communication

ZSC-4-3-75+



CASE STYLE: N27

Connectors	Model	Price	Qty.
BNC	ZSC-4-3-75+	\$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 has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Electrical Specifications

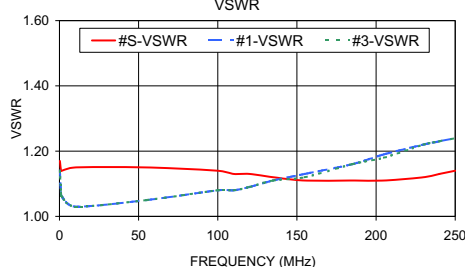
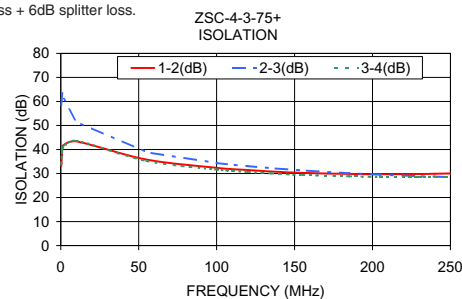
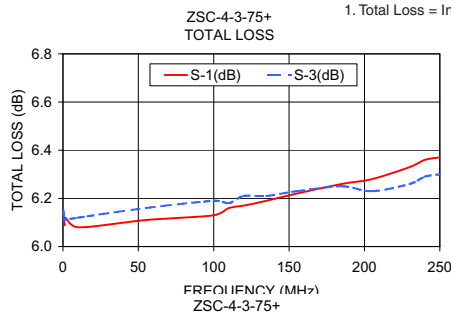
FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 6.0 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		L		M		U		L		M		U	
	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
0.25-250	28	20	30	20	27	20	0.4	0.8	0.3	0.7	0.5	1.0	1	2	3	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]

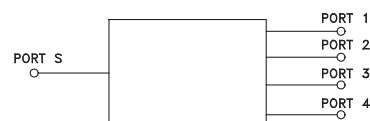
Typical Performance Data

Freq. (MHz)	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	2-3	3-4						
0.25	6.14	6.19	6.15	6.18	0.05	33.11	58.52	33.87	0.34	1.17	1.14	1.15	1.14	1.14
1.00	6.09	6.14	6.11	6.15	0.05	39.99	63.40	39.46	0.20	1.14	1.07	1.07	1.07	1.07
1.50	6.12	6.15	6.11	6.14	0.05	41.72	61.43	41.10	0.13	1.14	1.06	1.06	1.06	1.06
10.00	6.08	6.14	6.12	6.13	0.06	43.38	51.55	43.62	0.05	1.15	1.03	1.03	1.03	1.03
55.00	6.11	6.18	6.16	6.19	0.09	35.81	38.88	35.25	0.05	1.15	1.05	1.05	1.05	1.05
100.00	6.13	6.22	6.19	6.19	0.09	32.37	34.38	31.67	0.30	1.14	1.08	1.08	1.08	1.08
110.00	6.16	6.21	6.18	6.22	0.06	31.82	33.64	31.15	0.25	1.13	1.08	1.09	1.08	1.09
120.00	6.17	6.23	6.21	6.21	0.06	31.44	33.07	30.68	0.08	1.13	1.09	1.10	1.09	1.09
135.00	6.19	6.23	6.21	6.22	0.03	30.83	32.22	30.07	0.29	1.12	1.11	1.11	1.11	1.11
155.00	6.22	6.24	6.23	6.24	0.03	30.27	31.27	29.40	0.31	1.11	1.13	1.13	1.12	1.13
185.00	6.26	6.27	6.25	6.26	0.02	29.83	30.10	28.83	0.46	1.11	1.16	1.16	1.16	1.16
205.00	6.28	6.26	6.23	6.24	0.04	29.72	29.51	28.60	0.39	1.11	1.19	1.19	1.18	1.19
230.00	6.33	6.28	6.26	6.29	0.07	29.78	28.88	28.50	0.51	1.12	1.22	1.22	1.22	1.22
240.00	6.36	6.30	6.29	6.30	0.07	29.88	28.72	28.56	0.58	1.13	1.23	1.23	1.23	1.23
250.00	6.37	6.32	6.30	6.30	0.07	30.03	28.48	28.58	0.67	1.14	1.24	1.25	1.24	1.25

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



electrical schematic



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