Coaxial

Power Splitter/Combiner

ZSC-4-1-75+

4 Way-0° 75Ω 1 to 200 MHz

CASE STYLE: N27

Connectors	Model
BNC	ZSC-4-1-75+
BRACKET(OPTION "B")	
BRACKET(OPTION "BR")	

+RoHS Compliant
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

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

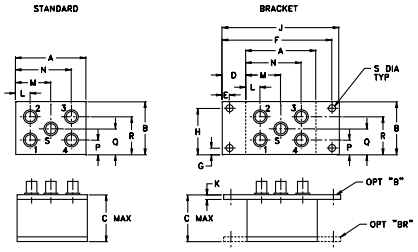
Features

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

Applications

- HF/VHF
- radio communication

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 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
f_L-f_U	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
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

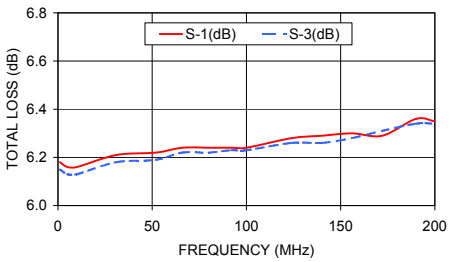
L = low range [f_L to 10 f_L] M = mid range [10 f_L to f_U/2] U= upper range [f_U/2 to f_U]

Typical Performance Data

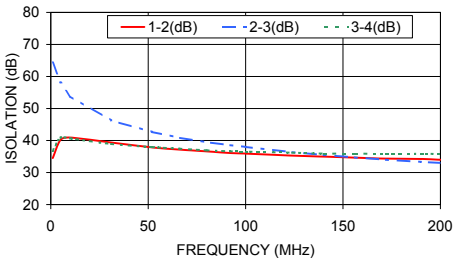
Freq. (MHz)	Total Loss[1] (dB)				Amp. Unbal. (dB)	Isolation (dB)			Phase Unbal. (deg.)	VSWR S	VSWR 1	VSWR 2	VSWR 3	VSWR 4
	S-1	S-2	S-3	S-4		1-2	2-3	3-4						
1.00	6.18	6.19	6.15	6.14	0.05	34.52	64.35	36.73	0.27	1.08	1.03	1.03	1.04	1.04
5.00	6.16	6.14	6.13	6.13	0.03	40.21	58.11	40.89	0.03	1.06	1.02	1.02	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

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

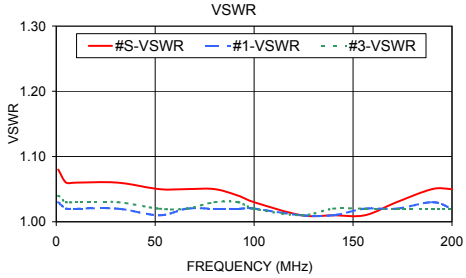
ZSC-4-1-75+
TOTAL LOSS



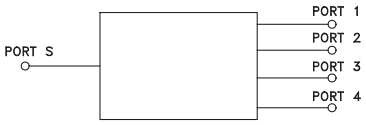
ZSC-4-1-75+
ISOLATION



ZSC-4-1-75+
VSWR



electrical schematic



Notes

A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
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