

Coaxial

Power Splitter/Combiner

ZSC-4-1-75+

4 Way-0° 75Ω 1 to 200 MHz

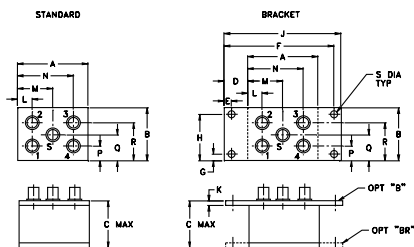
Maximum Ratings

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.
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, 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

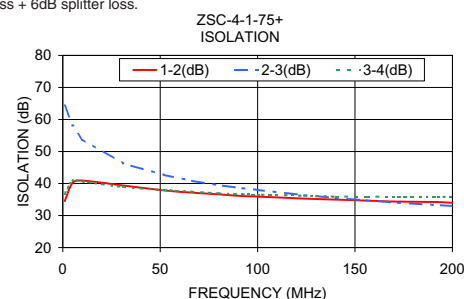
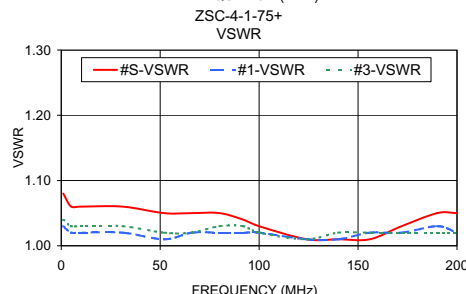
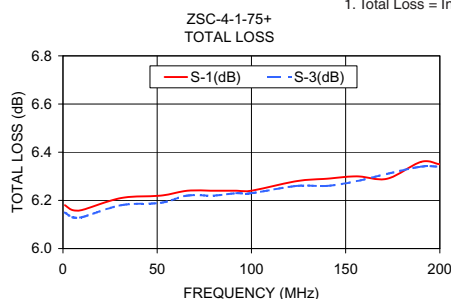
FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 6.0 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		L		M		U		L		M		U	
	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
1-200	30	20	25	20	25	20	0.4	0.7	0.5	0.8	0.7	1.2	4	6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



electrical schematic



For detailed performance specs
& shopping online see web site

Mini-Circuits®
ISO 9001 ISO 14001 AS 9100 CERTIFIED
The Design Engineers Search Engine Provides ACTUAL Data Instantly at minicircuits.com
IFIRF MICROWAVE COMPONENTS

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine Provides ACTUAL Data Instantly at minicircuits.com

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp.

REV. C
M127604
ZFSC-4-1-75+
HY/TD/CP/AM
100617