

Coaxial

Power Splitter/Combiner

2 Way-180° 50Ω 1 to 200 MHz

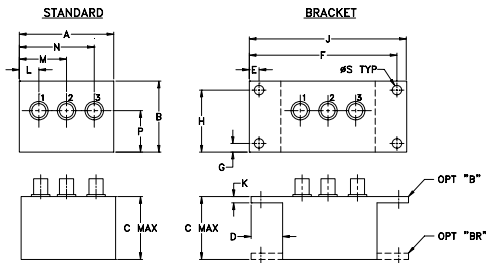
Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.125W max.
Permanent damage may occur if any of these limits are exceeded.	

Coaxial Connections

SUM PORT	2
PORT 1	1
PORT 2	3

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H
2.25	1.38	1.24	.50	.150	3.100	.138	1.238
57.15	35.05	31.50	12.70	3.81	78.74	3.51	31.45

J	K	L	M	N	P	S	wt
3.25	.10	.40	1.15	1.86	.64	.150	grams
82.55	2.54	10.16	29.21	47.24	16.26	3.81	74.0

Features

- low insertion loss, 0.6 dB typ.
- high isolation, 35 dB typ.
- excellent amplitude unbalance, 0.1 dB typ.
- rugged shielded case

Applications

- VHF
- signal processing
- radio communication

Electrical Specifications

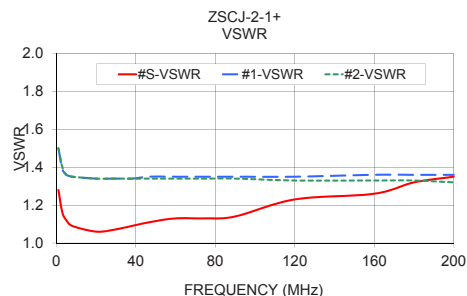
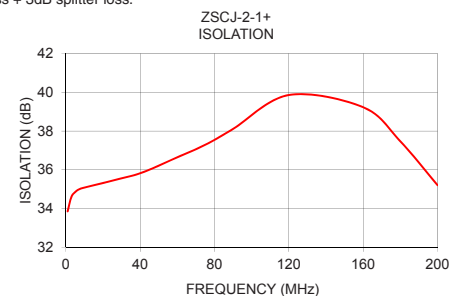
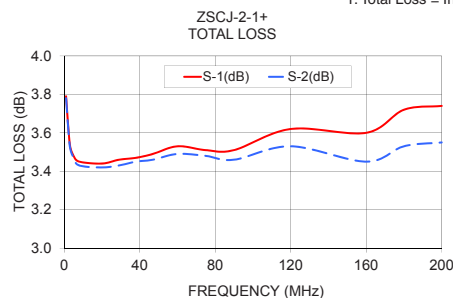
FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 3.0 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		L		M		U		L		M		U	
	Typ.	Min	Typ.	Min	Typ.	Min	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.

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

Frequency (MHz)	Total Loss ¹ (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
1.00	3.79	3.78	0.01	33.86	179.88	1.28	1.50	1.50
3.00	3.54	3.53	0.01	34.60	180.07	1.16	1.39	1.40
5.00	3.48	3.47	0.01	34.85	180.13	1.12	1.36	1.36
8.00	3.45	3.43	0.02	35.03	179.80	1.09	1.35	1.35
20.00	3.44	3.42	0.02	35.32	179.63	1.06	1.34	1.34
29.00	3.46	3.43	0.02	35.54	179.55	1.07	1.34	1.34
38.00	3.47	3.45	0.02	35.76	179.33	1.09	1.34	1.34
47.00	3.49	3.46	0.03	36.09	179.15	1.11	1.35	1.34
60.00	3.53	3.49	0.04	36.65	179.00	1.13	1.35	1.34
75.00	3.51	3.48	0.03	37.29	178.67	1.13	1.35	1.34
90.00	3.51	3.46	0.06	38.11	178.40	1.14	1.35	1.34
120.00	3.62	3.53	0.09	39.86	178.03	1.23	1.35	1.33
160.00	3.60	3.45	0.15	39.23	177.31	1.26	1.36	1.33
180.00	3.72	3.53	0.19	37.47	177.20	1.32	1.36	1.33
200.00	3.74	3.55	0.19	35.21	176.99	1.35	1.36	1.32

1. Total Loss = Insertion Loss + 3dB splitter loss.



electrical schematic



CASE STYLE: M22

Connectors Model

BNC ZSCJ-2-1+

BRACKET (OPTION "B")

BRACKET (OPTION "BR")

+RoHS Compliant

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

Notes

- 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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www.minicircuits.com P.O. Box 350166, Brooklyn, NY 11235-0003 (718) 934-4500 sales@minicircuits.com

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