

Coaxial

Power Splitter/Combiner

2 Way-180° 50Ω 1 to 200 MHz

ZSCJ-2-1+
ZSCJ-2-1



CASE STYLE: M22

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

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

Connectors	Model	Price	Qty.
BNC	ZSCJ-2-1(+)	\$51.95	(1-9)
BRACKET (OPTION "B")		\$5.00	(1+)
BRACKET (OPTION "BR")		\$1.50	(1+)

+ RoHS compliant in accordance
with EU Directive (2002/95/EC)

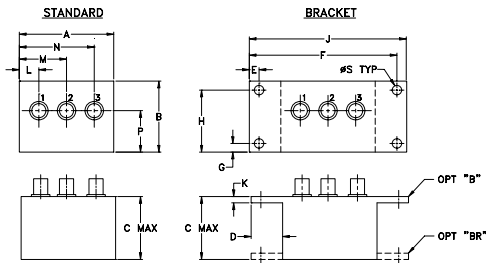
The +Suffix identifies RoHS Compliance. See our web site
for RoHS Compliance methodologies and qualifications.

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.
1-200	35	30	35	25	30	23	0.75	1.0	0.6	0.8	0.75	1.2	2	2.5	4	0.3	0.15	0.3

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]

Outline Drawing



Outline Dimensions (inch mm)

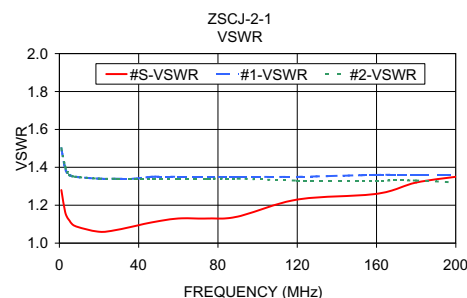
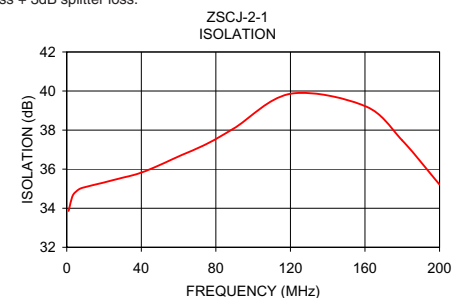
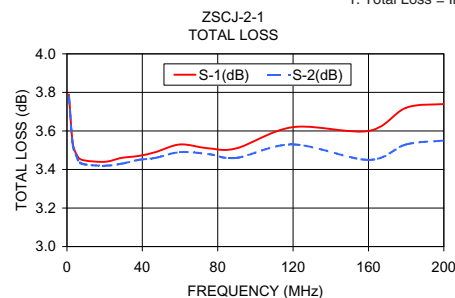
A	B	C	D	E	F	G	H
2.25	1.38	1.24	.50	.150	3.100	.138	1.238
57.15	35.05	31.50	12.70	3.81	78.74	3.51	31.45

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

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



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