

Coaxial

Power Splitter/Combiner

ZSC-2-4+ ZSC-2-4

2 Way-0° 50Ω 10 to 1000 MHz



CASE STYLE: M22

Maximum Ratings

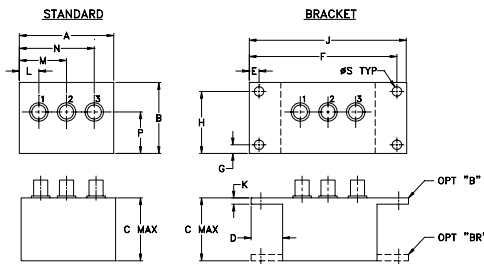
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.125W max.

Permanent damage may occur if any of these limits are exceeded.

Coaxial Connections

SUM PORT	2
PORT 1	1
PORT 2	3

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

- wideband, 10 to 1000 MHz
- low insertion loss, 0.5 dB typ.
- high isolation, 35 dB typ.
- excellent amplitude unbalance, 0.1 dB typ.
- excellent phase unbalance, 1 deg. typ.
- excellent VSWR, 1.15:1 typ.
- rugged shielded case

Applications

- VHF/UHF
- cellular
- communication systems

Connectors	Model	Price	Qty.
BNC	ZSC-2-4+	\$52.95	(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.

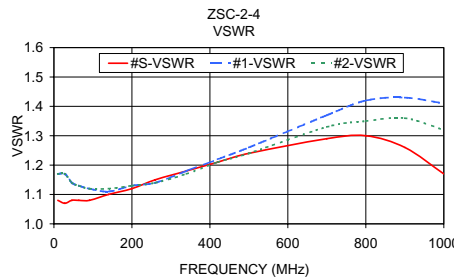
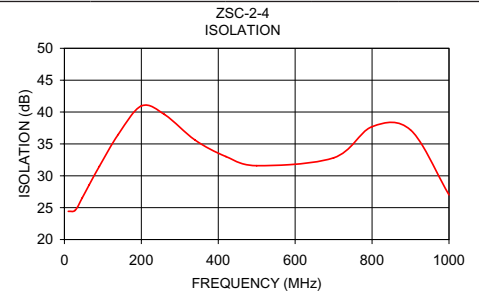
Electrical Specifications

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	L	M	U
	Typ.	Min	Typ.	Min	Typ.	Min	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
10-1000	25	20	35	20	25	20	0.2	0.5	0.5	0.8	0.7	1.3	2	4	6	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

Frequency (MHz)	Insertion Loss (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
10.00	3.15	3.15	0.00	24.42	0.02	1.08	1.17	1.17
28.00	3.17	3.16	0.00	24.59	0.17	1.07	1.17	1.17
46.00	3.15	3.15	0.01	26.51	0.10	1.08	1.14	1.14
64.00	3.15	3.15	0.01	28.54	0.16	1.08	1.13	1.13
91.00	3.18	3.18	0.00	31.49	0.26	1.08	1.12	1.12
140.00	3.20	3.20	0.00	36.48	0.45	1.10	1.11	1.12
200.00	3.20	3.21	0.01	40.95	0.50	1.12	1.13	1.13
260.00	3.22	3.23	0.01	39.64	0.56	1.15	1.14	1.14
340.00	3.22	3.23	0.02	35.59	0.90	1.18	1.18	1.17
420.00	3.31	3.32	0.01	33.02	1.13	1.21	1.22	1.21
500.00	3.34	3.35	0.00	31.59	1.27	1.24	1.26	1.24
700.00	3.52	3.52	0.00	32.82	1.89	1.29	1.37	1.33
800.00	3.65	3.65	0.00	37.70	1.91	1.30	1.42	1.35
900.00	3.69	3.67	0.03	37.19	2.09	1.26	1.43	1.36
1000.00	3.84	3.80	0.04	27.01	2.06	1.17	1.41	1.32



electrical schematic



For detailed performance specs & shopping online see web site

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