

Coaxial

Power Splitter/Combiner

2 Way-0° 50Ω 0.1 to 400 MHz

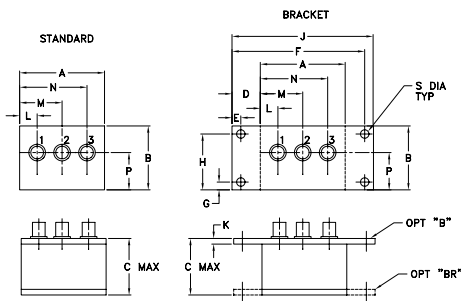
Maximum Ratings

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.

Coaxial Connections

SUMPORT	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, 0.1 to 400 MHz
- low insertion loss, 0.4 dB typ.
- good isolation, 25 dB typ.
- excellent amplitude unbalance, 0.1 dB typ.
- excellent phase unbalance, 0.2 deg. typ.
- rugged shielded case

Applications

- VHF/UHF
- communications systems
- instrumentation

ZSC-2-1+
ZSC-2-1



CASE STYLE: M22

Connectors	Model	Price	Qty.
BNC	ZSC-2-1(+)	\$47.95	(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.

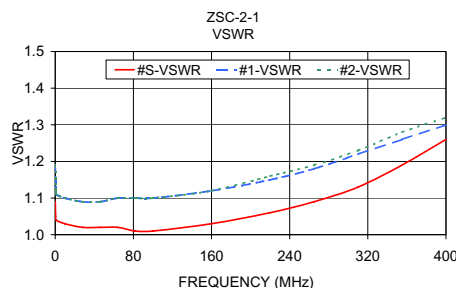
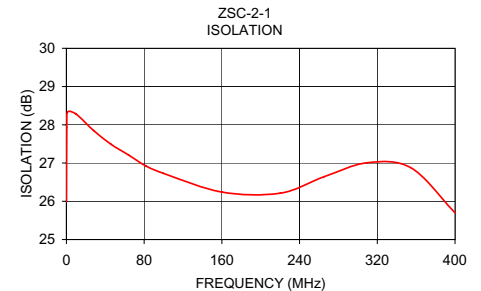
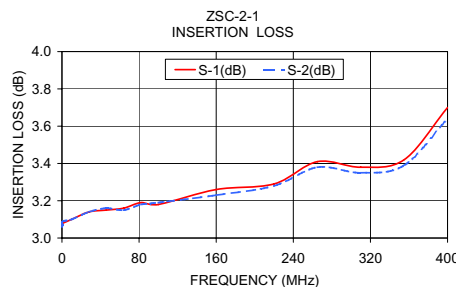
Splitter Electrical Specifications

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	
f_L - f_U	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
0.1-400	20	15	25	20	25	20	0.2	0.5	0.4	0.75	0.6	1.0	2	3	4	0.15	0.2	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]

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						
0.10	3.07	3.06	0.00	25.99	0.01	1.09	1.19	1.19
0.40	3.08	3.07	0.01	27.93	0.03	1.05	1.12	1.12
1.00	3.08	3.09	0.01	28.33	0.10	1.04	1.11	1.11
10.00	3.10	3.10	0.01	28.28	0.04	1.03	1.10	1.10
28.00	3.14	3.14	0.00	27.85	0.03	1.02	1.09	1.09
46.00	3.15	3.16	0.01	27.49	0.05	1.02	1.09	1.09
64.00	3.16	3.15	0.01	27.21	0.09	1.02	1.10	1.10
82.00	3.19	3.18	0.01	26.92	0.02	1.01	1.10	1.10
100.00	3.18	3.19	0.01	26.73	0.04	1.01	1.10	1.10
160.00	3.26	3.23	0.02	26.24	0.20	1.03	1.12	1.12
220.00	3.29	3.28	0.02	26.21	0.17	1.06	1.15	1.16
265.00	3.41	3.38	0.03	26.64	0.20	1.09	1.18	1.19
310.00	3.38	3.35	0.03	27.01	0.27	1.13	1.22	1.23
355.00	3.42	3.39	0.03	26.87	0.16	1.19	1.26	1.28
400.00	3.70	3.64	0.06	25.70	0.13	1.26	1.30	1.32



electrical schematic



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