

Coaxial

Power Splitter/Combiner

2 Way-0° 75Ω 55 to 85 MHz

ZSC-2375+
ZSC-2375



Maximum Ratings

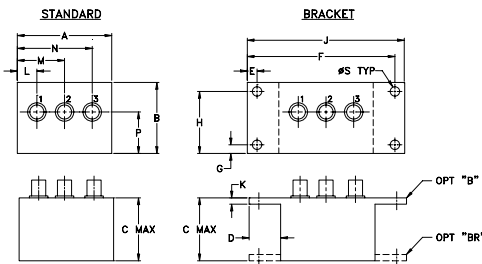
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.125W max.

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, 0.15 dB typ.
- high isolation, 35 dB typ.
- excellent amplitude unbalance, 0.1 dB typ.
- excellent phase unbalance, 0.2 deg. typ.
- rugged shielded case

Applications

- VHF
- radio communications
- instrumentation

CASE STYLE: M22

Connectors	Model	Price	Qty.
BNC	ZSC-2375	\$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)

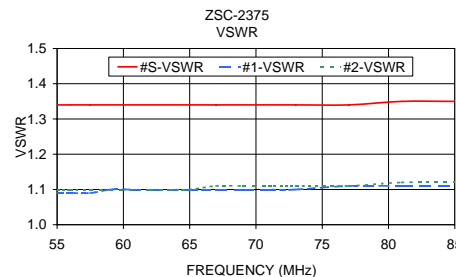
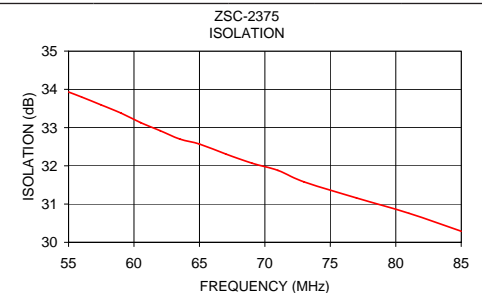
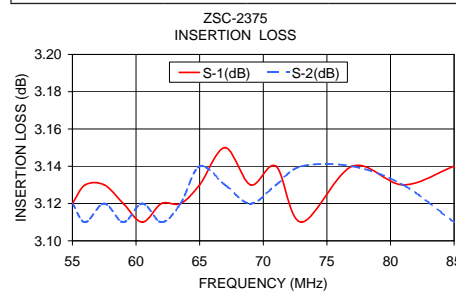
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Electrical Specifications

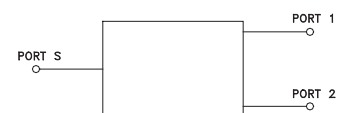
FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 3.0 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)
	Typ.	Min.	Typ.	Max.	Max.	Max.
$f_c - f_u$						
55-85	35	25	0.3	0.5	1	0.1

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						
55.00	3.12	3.12	0.00	33.93	0.13	1.34	1.09	1.10
56.00	3.13	3.11	0.01	33.80	0.04	1.34	1.09	1.10
57.50	3.13	3.12	0.01	33.59	0.06	1.34	1.09	1.10
59.00	3.12	3.11	0.01	33.38	0.05	1.34	1.10	1.10
60.50	3.11	3.12	0.01	33.13	0.08	1.34	1.10	1.10
62.00	3.12	3.11	0.01	32.92	0.00	1.34	1.10	1.10
63.50	3.12	3.12	0.00	32.70	0.01	1.34	1.10	1.10
65.00	3.13	3.14	0.01	32.57	0.02	1.34	1.10	1.10
67.00	3.15	3.13	0.02	32.31	0.01	1.34	1.10	1.11
69.00	3.13	3.12	0.01	32.07	0.09	1.34	1.10	1.11
71.00	3.14	3.13	0.00	31.88	0.11	1.34	1.10	1.11
73.00	3.11	3.14	0.02	31.58	0.04	1.34	1.10	1.11
77.00	3.14	3.14	0.00	31.16	0.03	1.34	1.11	1.11
81.00	3.13	3.13	0.01	30.76	0.05	1.35	1.11	1.12
85.00	3.14	3.11	0.02	30.29	0.04	1.35	1.11	1.12



electrical schematic



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P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661

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