

Coaxial

Power Splitter/Combiner

2 Way-0° 75Ω 55 to 85 MHz

Maximum Ratings

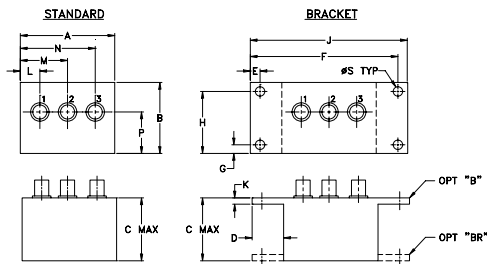
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.125W max.

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, 0.15 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

ZSC-2375+
ZSC-2375



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.

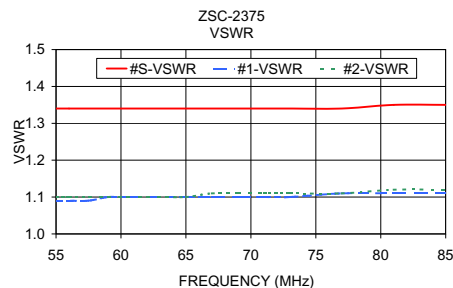
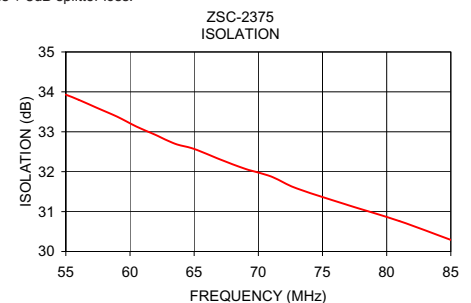
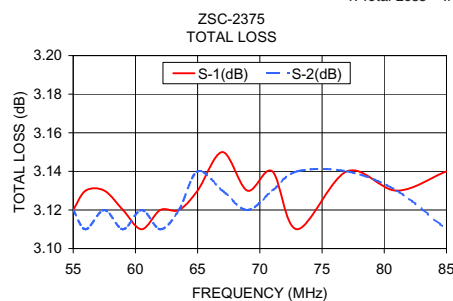
Electrical Specifications

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

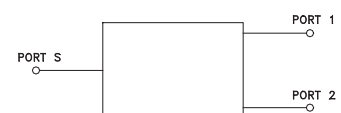
Typical Performance Data

Frequency (MHz)	Total Loss ¹ (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
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

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



electrical schematic



Mini-Circuits®
ISO 9001 ISO 14001 AS 9100 CERTIFIED

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