

Coaxial

Power Splitter/Combiner

2 Way-0° 75Ω 55 to 85 MHz

Maximum Ratings

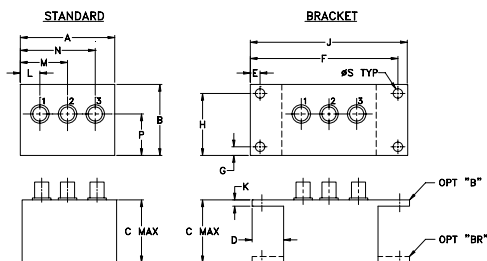
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.125W max.

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



CASE STYLE: M22

Connectors Model
BNC ZSC-2375
BRACKET (OPTION "B")
BRACKET (OPTION "BR")

+RoHS Compliant

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

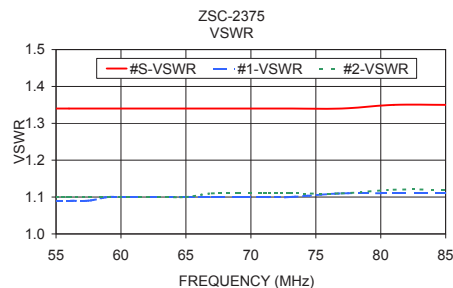
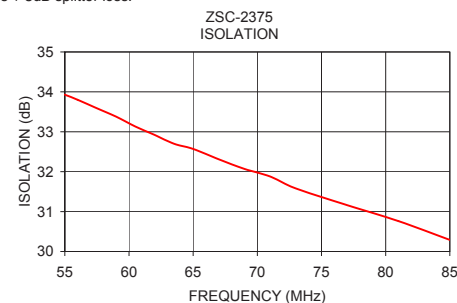
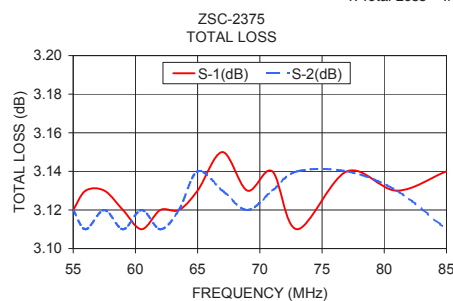
Electrical Specifications

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

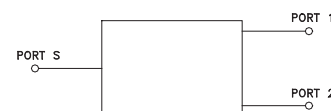
Typical Performance Data

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



Notes

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
 B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
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