

Coaxial Power Splitter/Combiner

ZSC-2375+ ZSC-2375

2 Way-0° 75Ω 55 to 85 MHz



Generic photo used for illustration purposes only

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

Maximum Ratings

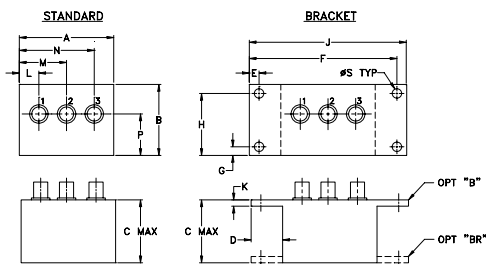
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.125W max.

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

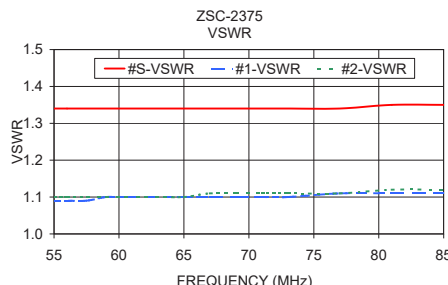
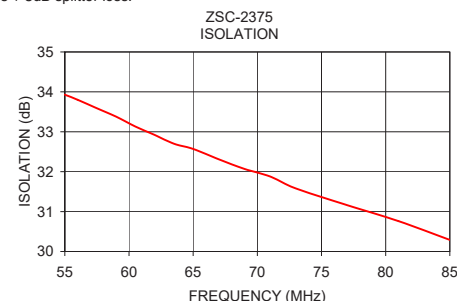
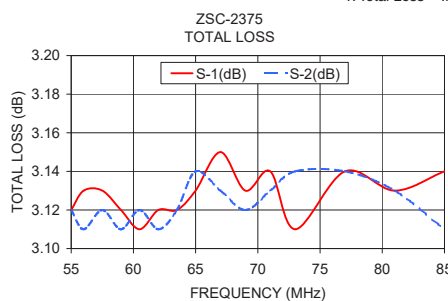
Electrical Specifications

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

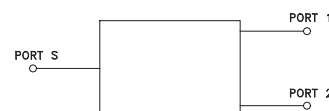
Typical Performance Data

Frequency (MHz)	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

- 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.
- 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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