

3 Way-0° 50Ω 1 to 200 MHz

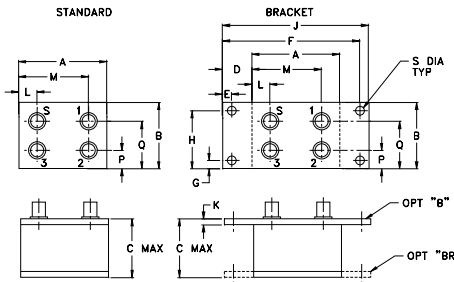
Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.375W max.

Coaxial Connections

SUM PORT	S
PORT 1	1
PORT 2	2
PORT 3	3

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H
1.50	1.13	1.00	.50	.155	2.345	.138	.987
38.10	28.70	25.40	12.70	3.94	59.56	3.51	25.07

J	K	L	M	N	P	Q	S	wt
2.50	.10	.50	1.00	--	.31	.81	.150	grams
63.50	2.54	12.70	25.40	--	7.87	20.57	3.81	60.0

Features

- rugged shielded case

Applications

- VHF
- instrumentation
- radio communication system



Generic photo used for illustration purposes only

CASE STYLE: P26

Connectors Model

SMA ZMSC-3-1+

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

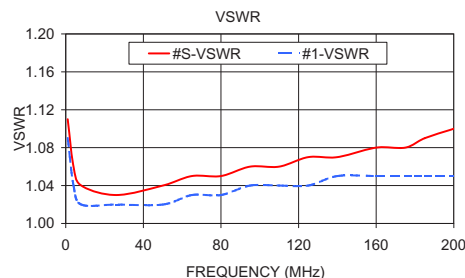
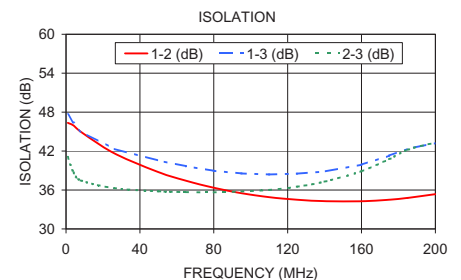
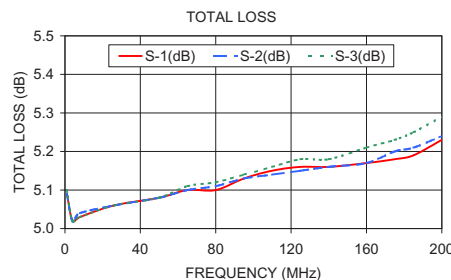
FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 4.8 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		L		M		U		L		M		U	
	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
f_L - f_U	45	35	40	25	40	25	0.3	0.5	0.4	0.7	0.6	1.0	1	2	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]

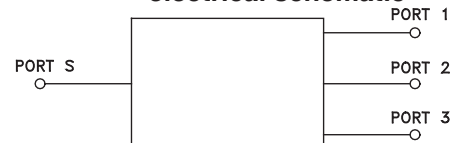
Typical Performance Data

Freq. (MHz)	Total Loss ¹ (dB)			Amp. Unbal. (dB)	Isolation (dB)			Phase Unbal. (deg.)	VSWR S	VSWR 1	VSWR 2	VSWR 3
	S-1	S-2	S-3		1-2	1-3	2-3					
1.00	5.09	5.09	5.10	0.01	46.35	47.66	41.10	0.06	1.11	1.09	1.09	1.09
4.00	5.02	5.02	5.02	0.01	45.95	46.40	38.74	0.07	1.06	1.04	1.03	1.04
8.00	5.03	5.04	5.03	0.01	44.98	45.00	37.47	0.09	1.04	1.02	1.02	1.02
26.00	5.06	5.06	5.06	0.00	41.67	42.34	36.29	0.19	1.03	1.02	1.02	1.02
50.00	5.08	5.08	5.08	0.00	38.76	40.53	35.80	0.43	1.04	1.02	1.02	1.02
65.00	5.10	5.10	5.11	0.01	37.43	39.67	35.68	0.53	1.05	1.03	1.02	1.02
80.00	5.10	5.11	5.12	0.02	36.35	38.96	35.64	0.64	1.05	1.03	1.02	1.02
95.00	5.13	5.13	5.14	0.01	35.50	38.55	35.78	0.79	1.06	1.04	1.02	1.02
110.00	5.15	5.14	5.16	0.02	34.89	38.39	36.01	0.90	1.06	1.04	1.02	1.02
125.00	5.16	5.15	5.18	0.02	34.50	38.52	36.51	0.95	1.07	1.04	1.02	1.02
140.00	5.16	5.16	5.18	0.03	34.28	38.84	37.29	1.08	1.07	1.05	1.02	1.02
160.00	5.17	5.17	5.21	0.04	34.27	39.90	38.89	1.17	1.08	1.05	1.02	1.02
175.00	5.18	5.20	5.23	0.05	34.50	41.29	40.75	1.29	1.08	1.05	1.02	1.02
185.00	5.19	5.21	5.25	0.06	34.78	42.35	42.20	1.31	1.09	1.05	1.02	1.02
200.00	5.23	5.24	5.29	0.06	35.36	43.22	43.31	1.48	1.10	1.05	1.01	1.02

1. Total Loss = Insertion Loss + 4.8dB 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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