

Coaxial

Power Splitter/Combiner

8 Way-0° 50Ω 0.5 to 1550 MHz
ZCSC-8-152+

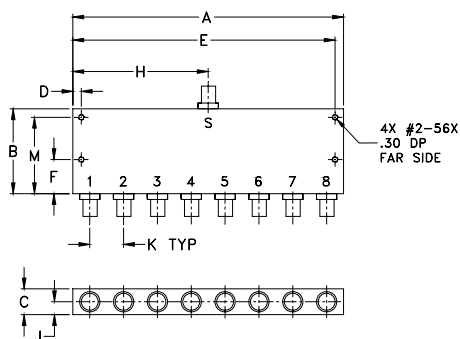
Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	0.5W max.
Internal Dissipation	3.0W max.
Permanent damage may occur if any of these limits are exceeded.	

Coaxial Connections

SUM PORT	S
PORT 1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8

Outline Drawing



Outline Dimensions (inch/mm)

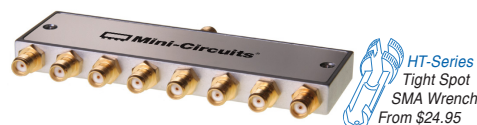
A	B	C	D	E	F
4.00	1.25	.38	.125	3.875	.500
101.60	31.75	9.65	3.18	98.43	12.70
G	H	J	K	M	wt
--	2.00	.19	.500	1.125	grams
--	50.80	4.83	12.70	28.58	77

Features

- high isolation, 32 dB min.
- very good matching VSWR, 1.2:1 typ.
- wide frequency band

Applications

- communication systems
- VHF/UHF
- cellular
- instrumentation



CASE STYLE: UU215

Connectors	Model	Price	Qty.
SMA	ZCSC-8-152-S+	\$169.95 ea.	(1-9)

+RoHS Compliant

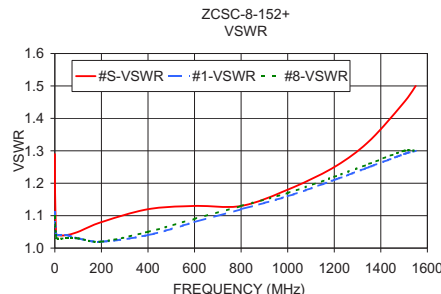
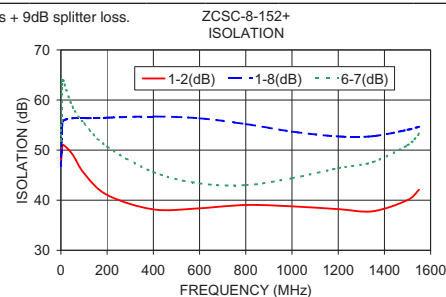
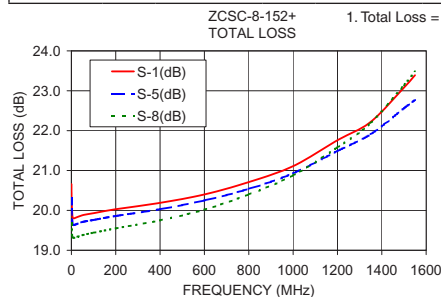
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB)		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)
	Typ.	Min.	Typ.	Max.		
0.5-5	48	35	20	23	7	1.5
5-775	38	35	20.5	21.5	6	0.8
775-1550	35	32	22	24.5	11	1.3

Typical Performance Data

Freq. (MHz)	Total Loss ¹ (dB)						Amp. Unbal. (dB)	Isolation (dB)				Phase Unbal. (deg.)	VSWR S	VSWR 1	VSWR 8
	S-1	S-2	S-3	S-5	S-6	S-8		1-2	1-8	3-4	6-7				
0.50	20.66	20.33	20.36	20.31	19.98	19.68	0.98	48.60	46.87	56.57	51.92	3.92	1.29	1.11	1.10
1.00	20.29	20.05	20.07	20.03	19.77	19.52	0.77	47.78	48.81	56.48	54.88	2.90	1.18	1.08	1.07
5.00	19.83	19.68	19.68	19.66	19.49	19.33	0.51	50.15	54.22	56.44	63.88	0.96	1.05	1.04	1.04
10.00	19.80	19.65	19.65	19.63	19.47	19.31	0.49	51.02	55.83	56.31	63.86	0.50	1.04	1.04	1.03
50.00	19.88	19.72	19.72	19.71	19.54	19.38	0.49	49.16	56.36	50.96	58.68	0.25	1.04	1.04	1.03
100.00	19.93	19.78	19.78	19.76	19.59	19.44	0.50	45.39	56.36	46.22	55.34	0.47	1.05	1.03	1.03
200.00	20.03	19.88	19.89	19.86	19.70	19.55	0.49	41.06	56.48	41.45	50.71	0.97	1.08	1.02	1.02
400.00	20.19	20.05	20.08	20.03	19.88	19.75	0.44	38.17	56.71	38.27	45.62	1.77	1.12	1.04	1.05
600.00	20.40	20.28	20.31	20.25	20.12	20.02	0.38	38.38	56.35	37.79	43.35	2.67	1.13	1.08	1.09
800.00	20.71	20.62	20.64	20.54	20.46	20.40	0.31	39.05	55.20	37.54	43.01	3.60	1.13	1.12	1.13
1000.00	21.11	21.04	21.09	20.93	20.91	20.88	0.23	38.77	53.69	37.37	44.40	4.58	1.18	1.16	1.17
1200.00	21.76	21.72	21.77	21.49	21.57	21.58	0.36	38.22	52.73	37.91	46.40	5.55	1.25	1.21	1.22
1350.00	22.22	22.21	22.33	21.91	22.07	22.19	0.42	37.79	52.78	38.32	47.62	6.40	1.33	1.25	1.26
1500.00	23.08	23.10	23.17	22.56	22.80	23.14	0.61	40.03	54.05	41.16	50.98	7.46	1.45	1.29	1.30
1550.00	23.39	23.42	23.44	22.77	23.02	23.48	0.71	42.10	54.66	43.65	53.28	7.99	1.50	1.30	1.30



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.
- C. The parts covered by this specification document are subject to Mini-Circuit's standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuit's website at www.minicircuits.com/MCLStore/terms.jsp



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