

Coaxial

Power Splitter/Combiner

ZFSC-10-1+

10 Way-0° 50Ω 0.5 to 100 MHz



BNC version shown
CASE STYLE: RR93

Maximum Ratings

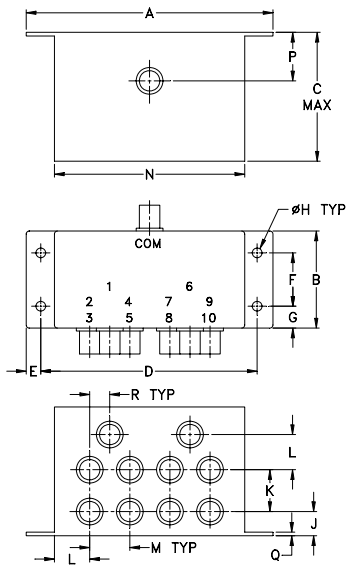
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.87W max.

Permanent damage may occur if any of these limits are exceeded.

Coaxial Connections

SUM PORT	S
PORT 1,2,3,.....,10	1,2,3,.....,10

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	
4.06	1.60	2.125	3.56	.25	.88	.36	.160	
103.12	40.64	53.98	90.42	6.35	22.35	9.14	4.06	
J	K	L	M	N	P	Q	R	wt.
.40	.69	.58	.66	3.13	.80	.06	.33	grams
10.16	17.53	14.73	16.76	79.50	20.32	1.52	8.38	350

Features

- low insertion loss, 0.4 dB typ.
- high isolation, 30 dB typ.
- rugged shielded case

Applications

- VF/VHF
- radio communication
- instrumentation

Connectors	Model	Price	Qty.
BNC	ZFSC-10-1+	\$119.95	(1-9)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

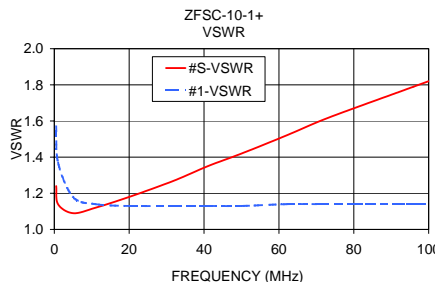
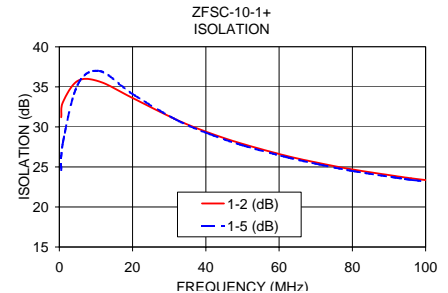
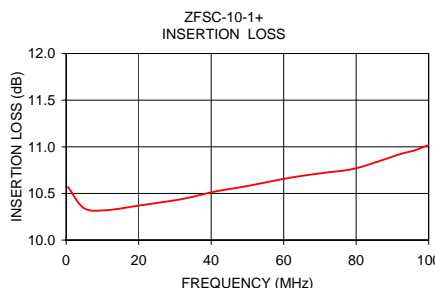
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)			INSERTION LOSS (dB) ABOVE 10 dB			PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L	M	U	L	M	U	L	M	U	L	M	U
f_L - f_U	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.
0.5-100	28	20	30	24	27	20	0.5	0.8	0.4	1.0	0.8	1.5

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)	Insertion Loss (dB)	Amplitude Unbalance (dB)	Isolation (dB)		Phase Unbalance (deg.)	VSWR S	VSWR 1
			1-2	1-5			
0.50	10.57	0.05	31.20	24.61	0.10	1.24	1.57
1.00	10.54	0.04	33.11	28.09	0.11	1.14	1.37
5.00	10.34	0.04	35.75	35.27	0.38	1.09	1.18
11.00	10.32	0.02	35.66	36.98	0.64	1.12	1.14
20.00	10.37	0.02	33.61	34.11	1.14	1.18	1.13
32.00	10.44	0.01	30.89	30.87	1.72	1.27	1.13
41.00	10.52	0.02	29.24	29.11	2.20	1.35	1.13
50.00	10.58	0.03	27.88	27.70	2.59	1.42	1.13
62.00	10.67	0.03	26.39	26.22	3.16	1.52	1.14
71.00	10.72	0.05	25.48	25.30	3.58	1.60	1.14
80.00	10.77	0.05	24.69	24.50	4.01	1.67	1.14
92.00	10.92	0.07	23.84	23.65	4.53	1.76	1.14
96.00	10.96	0.08	23.58	23.39	4.78	1.79	1.14
100.00	11.02	0.08	23.36	23.17	4.97	1.82	1.14



electrical schematic



For detailed performance specs & shopping online see web site



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Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuits' applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet are subject to Mini-Circuits 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-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp.

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