

Coaxial

Power Splitter/Combiner

ZFSC-16-1-75+

16 Way-0° 75Ω 1 to 150 MHz

Maximum Ratings

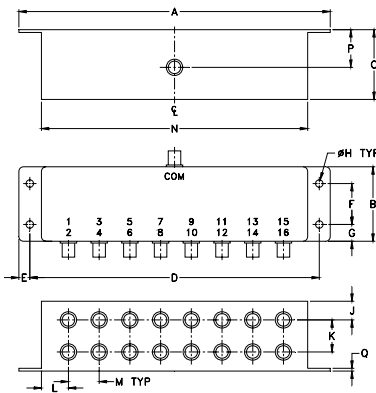
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.87W max.

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

Coaxial Connections

SUM PORT	S(COM)
PORT 1,2,3,.....,16	1,2,3,.....,16

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H
6.69	1.60	1.50	6.22	.24	.88	.36	.160
169.93	40.64	38.10	157.99	6.10	22.35	9.14	4.06
J	K	L	M	N	P	Q	wt.
.40	.69	.55	.66	5.72	.81	.06	grams
10.16	17.53	13.97	16.76	145.29	20.57	1.52	320

Features

- low insertion loss, 0.7 dB typ.
- high isolation, 30 dB typ.
- excellent amplitude unbalance, 0.2 dB typ.
- rugged shielded case

Applications

- HF/VHF
- communication systems
- instrumentation



CASE STYLE: R30

Connectors	Model	Price	Qty.
BNC	ZFSC-16-1-75+	\$182.95	(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.

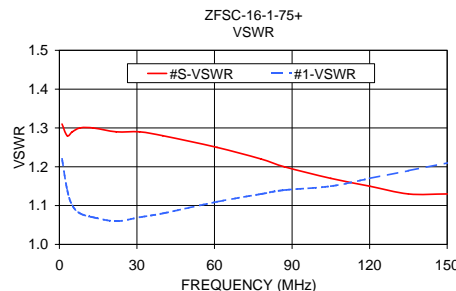
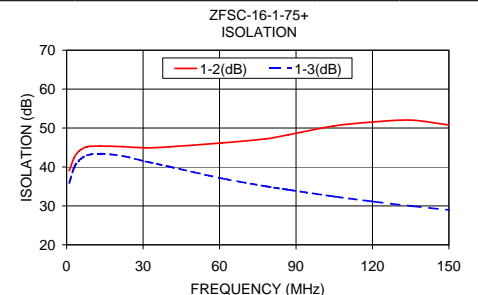
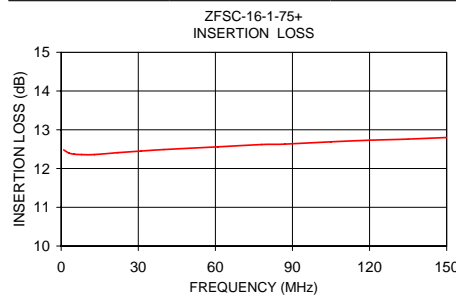
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 12 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.	Max.	Max.	Max.	Max.	Max.	Max.
1-150	30	25	30	25	25	20	0.8	1.1	0.7	1.1	1.0	1.3	3	6	10	0.4	0.2	0.4

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
			Adjacent	Opposite			
	S-1						
1.00	12.48	0.26	39.02	35.90	1.42	1.31	1.22
3.00	12.40	0.18	42.46	39.97	0.90	1.28	1.14
5.00	12.37	0.15	44.14	41.72	0.75	1.29	1.10
8.00	12.36	0.14	45.18	43.00	0.65	1.30	1.08
13.00	12.36	0.13	45.36	43.42	0.66	1.30	1.07
22.00	12.41	0.11	45.22	42.83	0.75	1.29	1.06
31.00	12.45	0.07	44.91	41.43	0.84	1.29	1.07
40.00	12.49	0.07	45.16	40.14	0.85	1.28	1.08
61.00	12.56	0.08	46.17	37.07	0.95	1.25	1.11
78.00	12.62	0.07	47.21	35.06	0.98	1.22	1.13
87.00	12.63	0.10	48.26	34.15	0.94	1.20	1.14
105.00	12.69	0.10	50.55	32.42	0.99	1.17	1.15
120.00	12.73	0.11	51.55	31.15	0.96	1.15	1.17
135.00	12.76	0.13	52.04	30.00	1.07	1.13	1.19
150.00	12.80	0.14	50.80	28.97	1.18	1.13	1.21



electrical schematic



For detailed performance specs & shopping online see web site

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine Provides ACTUAL Data Instantly at minicircuits.com

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-Circuit's 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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