

Coaxial

Power Splitter/Combiner

ZFSC-2-1W-75+

2 Way-0° 75Ω 5 to 600 MHz

Maximum Ratings

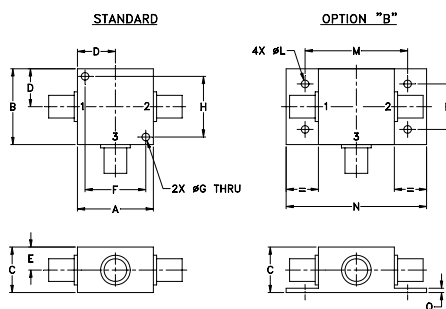
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.125W max.

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

Coaxial Connections

SUM PORT	3
PORT 1	1
PORT 2	2

Outline Drawing



Outline Dimensions (inch mm)

A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	wt
1.25	1.25	.75	.63	.38	1.00	.125	1.000	--	--	.125	1.688	2.18	.75	.07	grams
31.75	31.75	19.05	16.00	9.65	25.40	3.18	25.40	--	--	3.18	42.88	55.37	19.05	1.78	70.0

Features

- wideband, 5 to 600 MHz
- low insertion loss, 0.27 dB typ.
- very high isolation, 45 dB typ.
- excellent amplitude unbalance, 0.1 dB typ.
- excellent phase unbalance, 0.2 deg. typ.
- good VSWR, 1.15:1 typ.
- rugged shielded case

Applications

- VHF/UHF
- catv
- instrumentation



BNC version shown

CASE STYLE: K18

Connectors	Model	Price	Qty.
BNC	ZFSC-2-1W-75+	\$50.95	(1-9)
BRACKET (OPTION "B")		\$5.00	(1+)

+ 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

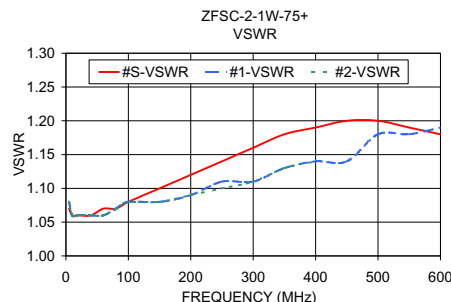
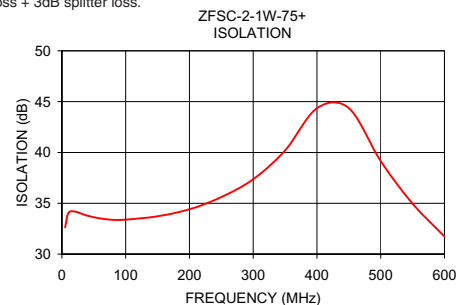
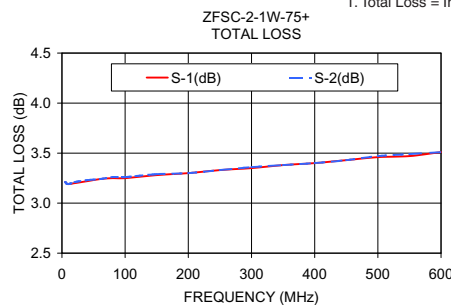
FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 3.0 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		L		M		U		L		M		U	
f_L - f_U	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
5-600	44	26	45	30	31	20	0.22	0.6	0.27	0.7	0.46	0.9	1	2	3	0.2	0.3	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

Frequency (MHz)	Total Loss ¹ (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
5	3.21	3.21	0.01	32.62	0.03	1.07	1.08	1.08
10	3.19	3.19	0.00	34.02	0.03	1.06	1.06	1.06
20	3.20	3.21	0.01	34.19	0.02	1.06	1.06	1.06
60	3.24	3.24	0.00	33.51	0.03	1.07	1.06	1.06
100	3.25	3.26	0.01	33.39	0.03	1.08	1.08	1.08
150	3.28	3.29	0.01	33.72	0.05	1.10	1.08	1.08
200	3.30	3.30	0.01	34.41	0.04	1.12	1.09	1.09
250	3.33	3.33	0.01	35.61	0.06	1.14	1.11	1.10
300	3.35	3.36	0.02	37.37	0.07	1.16	1.11	1.11
350	3.38	3.38	0.02	40.20	0.09	1.18	1.13	1.13
400	3.40	3.40	0.02	44.35	0.11	1.19	1.14	1.14
450	3.43	3.43	0.03	44.36	0.13	1.20	1.14	1.16
500	3.46	3.47	0.05	39.15	0.15	1.20	1.18	1.17
550	3.47	3.49	0.06	34.96	0.14	1.19	1.18	1.18
600	3.51	3.51	0.06	31.73	0.19	1.18	1.19	1.20

1. Total Loss = Insertion Loss + 3dB splitter loss.



electrical schematic



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For detailed performance specs
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