Coaxial

Power Splitter/Combiner

ZFSC-2-6-75

2 Way-0° 75Ω 0.004 to 60 MHz

BNC version shown

CASE STYLE: K18

Connectors	Model	Price	Qty.
BNC	ZFSC-2-6-75	$51.95	(1-9)
BRACKET (OPTION "B")		$2.50	(1+)

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.

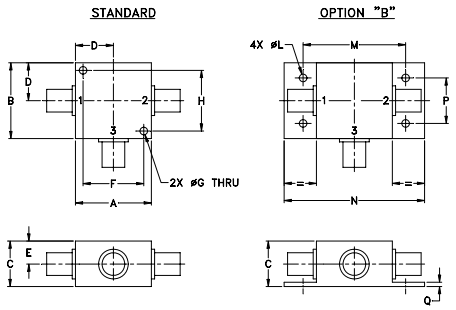
* At low range frequency band (f_L to 10 f_L), linearly derate maximum input power by 13 dB typ.

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
1.25	1.25	.75	.63	.38	1.00	.125	1.000
31.75	31.75	19.05	16.00	9.65	25.40	3.18	25.40

J	K	L	M	N	P	Q	wt
--	--	.125	1.688	2.18	.75	.07	grams
--	--	3.18	42.88	55.37	19.05	1.78	70.0

Features

- low insertion loss, 0.4 dB typ.
- high isolation, 35 dB typ.
- rugged shielded case

Applications

- HF/VHF
- amateur radio
- instrumentation

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	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.
0.004-60	30	20	35	20	25	20	0.5	0.8	0.4	0.8	0.7	1.0	1	2	3	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

Frequency (MHz)	Insertion Loss (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
0.004	3.14	3.13	0.01	28.34	0.09	1.19	1.28	1.27
1.000	3.09	3.09	0.00	40.45	0.00	1.13	1.09	1.09
5.000	3.13	3.13	0.00	39.93	0.02	1.14	1.09	1.09
10.000	3.17	3.17	0.00	38.14	0.04	1.16	1.10	1.10
15.000	3.21	3.20	0.00	36.25	0.05	1.18	1.12	1.12
20.000	3.24	3.24	0.00	34.56	0.05	1.20	1.15	1.15
24.000	3.27	3.27	0.00	33.32	0.05	1.22	1.17	1.17
28.000	3.30	3.30	0.00	32.12	0.06	1.24	1.19	1.19
30.000	3.31	3.31	0.00	31.53	0.05	1.26	1.21	1.21
36.000	3.36	3.37	0.00	29.82	0.06	1.30	1.25	1.25
39.000	3.39	3.39	0.00	28.97	0.06	1.32	1.27	1.27
45.000	3.44	3.45	0.01	27.34	0.07	1.36	1.32	1.32
48.000	3.46	3.47	0.01	26.55	0.07	1.38	1.34	1.34
54.000	3.52	3.53	0.01	25.01	0.08	1.42	1.39	1.38
60.000	3.58	3.59	0.02	23.54	0.09	1.47	1.43	1.43

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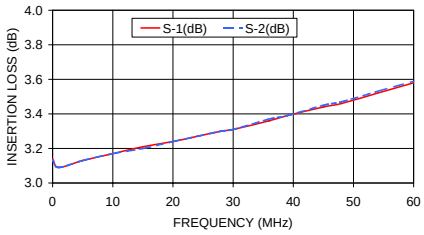
INSERTION LOSS



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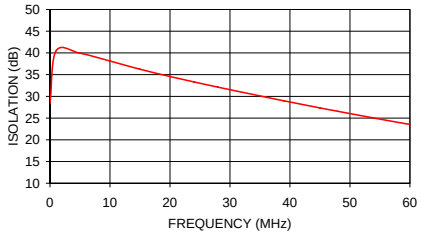
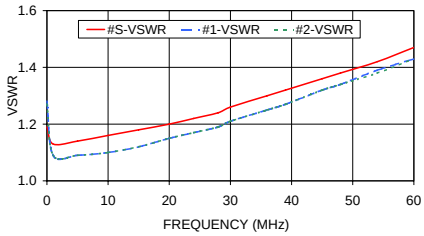
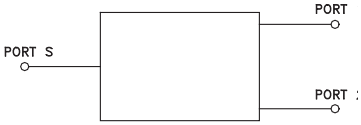
ISOLATION



ZESC-2-6-75
VSWR



electrical schematic



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