

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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- In stock / Ready-to-ship
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Coaxial

Power Splitter/Combiner

4 Way-0° 50Ω 1 to 1000 MHz

ZFSC-4-1+
ZFSC-4-1



BNC version shown

CASE STYLE: G15

Connectors	Model	Price	Qty.
BNC	ZFSC-4-1-BNC(+)	$89.95	(1-9)
SMA	ZFSC-4-1-S(+)	$89.95	(1-9)
BRACKET (OPTION "B")		$2.50	(1+)

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

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

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	0.250W max.

Coaxial Connections

SUM PORT	S
PORT 1	1
PORT 2	2
PORT 3	3
PORT 4	4

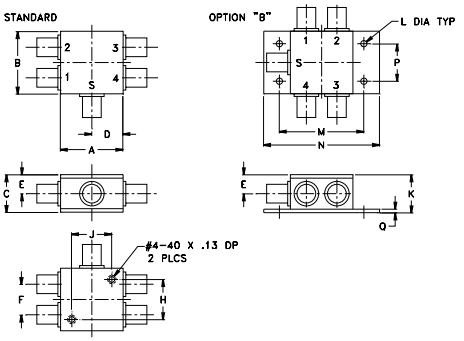
Features

- wideband, 1 to 1000 MHz
- low insertion loss, 0.6 dB typ.
- good isolation, 23 dB typ.

Applications

- cellular
- UHF
- ISM
- transmitters/receivers

Outline Drawing



Outline Dimensions (inch / mm)

A	B	C	D	E	F	G	H
1.25	1.25	.75	.63	.38	.61	--	.80
31.75	31.75	19.05	16.00	9.65	15.49	--	20.32

J	K	L	M	N	P	Q	wt
.80	.76	.125	1.688	2.18	.75	.07	grams
20.32	19.30	3.18	42.88	55.37	19.05	1.78	85.0

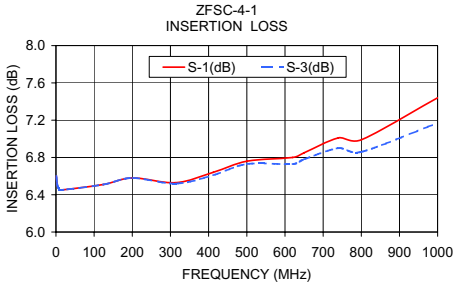
Splitter Electrical Specifications

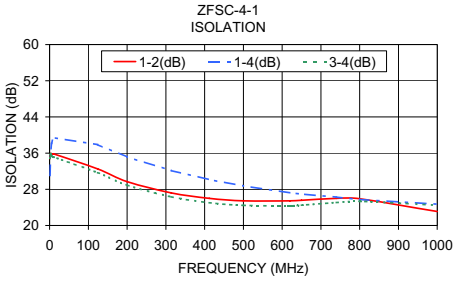
FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 6.0 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		L		M		U		L	M	U	L	M	U
f_L-f_U	Typ.	Min	Typ.	Min	Typ.	Min	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
1-1000	25	20	23	18	20	15	0.4	1.2	0.6	1.5	1.6	2.5	4	8	8	0.2	0.4	0.7

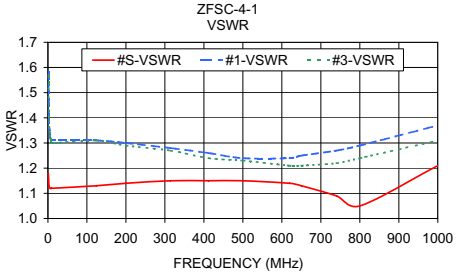
L = low range [f_L to 10 f_L] M = mid range [10 f_L to f_U/2] U= upper range [f_U/2 to f_U]

Typical Performance Data

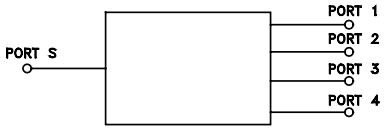
Freq. (MHz)	Insertion Loss (dB)				Amp. Unbal. (dB)	Isolation (dB)			Phase Unbal. (deg.)	VSWR S	VSWR 1	VSWR 2	VSWR 3	VSWR 4
	S-1	S-2	S-3	S-4		1-2	1-4	3-4						
1.00	6.60	6.60	6.60	6.60	0.00	34.76	31.08	34.88	0.18	1.18	1.58	1.58	1.57	1.57
2.60	6.53	6.53	6.53	6.53	0.01	35.90	36.14	35.85	0.06	1.13	1.40	1.40	1.39	1.39
5.00	6.48	6.49	6.48	6.48	0.01	35.80	38.16	35.39	0.06	1.12	1.33	1.33	1.33	1.33
8.00	6.47	6.47	6.47	6.46	0.01	35.80	39.09	35.17	0.04	1.12	1.31	1.31	1.31	1.31
10.00	6.45	6.46	6.45	6.46	0.01	35.86	39.42	35.16	0.09	1.12	1.31	1.31	1.30	1.30
124.00	6.51	6.51	6.51	6.51	0.00	32.51	37.88	31.70	0.21	1.13	1.31	1.31	1.31	1.31
200.00	6.58	6.58	6.58	6.58	0.00	29.70	35.16	28.92	0.42	1.14	1.30	1.30	1.29	1.30
314.00	6.53	6.53	6.52	6.53	0.01	27.20	32.16	26.36	0.61	1.15	1.28	1.28	1.27	1.27
412.00	6.64	6.63	6.61	6.61	0.02	25.99	30.15	25.04	0.78	1.15	1.26	1.26	1.24	1.25
500.00	6.76	6.75	6.73	6.74	0.03	25.45	28.75	24.45	0.91	1.15	1.24	1.25	1.23	1.23
620.00	6.80	6.77	6.73	6.74	0.07	25.45	27.23	24.36	1.12	1.14	1.24	1.25	1.21	1.22
650.00	6.85	6.83	6.78	6.80	0.07	25.58	26.96	24.49	1.26	1.13	1.25	1.26	1.21	1.23
740.00	7.01	6.98	6.90	6.92	0.11	25.99	26.28	25.07	1.30	1.09	1.27	1.28	1.22	1.24
800.00	6.99	6.96	6.86	6.88	0.13	25.91	25.75	25.35	1.56	1.05	1.29	1.29	1.24	1.26
1000.00	7.44	7.40	7.17	7.21	0.27	23.10	24.73	24.49	2.03	1.21	1.37	1.38	1.31	1.35







electrical schematic



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