

Coaxial

Power Splitter/Combiner

ZFSC-2-11+

2 Way-0° 50Ω 10 to 2000 MHz



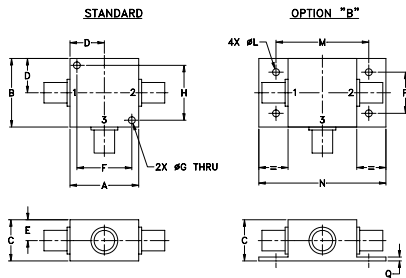
Maximum Ratings

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.

Coaxial Connections

SUPPORT	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

For option B with N-type connectors, dimension "C" increases to 0.94 inches.

Features

- very wideband, 10 to 2000 MHz
- low insertion loss, 0.6 dB typ.
- excellent amplitude unbalance, 0.1 dB typ.
- excellent phase unbalance, 1 deg. typ.
- rugged shielded case

Applications

- cellular
- GPS
- satellite distribution

BNC version shown
CASE STYLE: K18

Connectors	Model	Price	Qty.
BNC	ZFSC-2-11+	\$64.95	(1-9)
SMA	ZFSC-2-11-S+	\$69.95	(1-9)
N-TYPE	ZFSC-2-11-N+	\$69.95	(1-9)
BRACKET (OPTION "B")		\$2.50	(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.

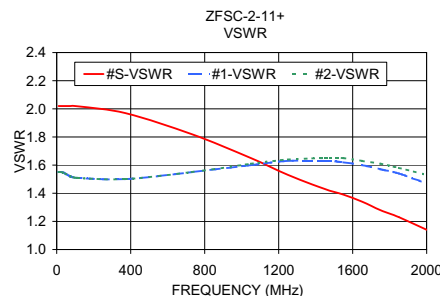
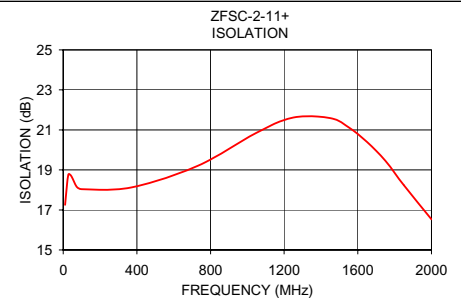
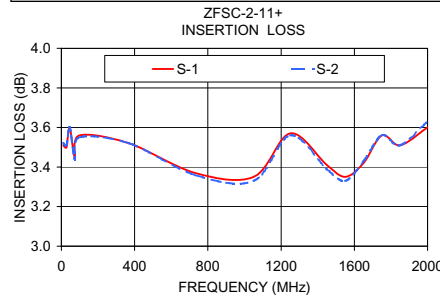
Electrical Specifications

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	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.
10-2000	14	10	16	14	20	15	0.6	1.5	0.5	1.5	0.6	2.0	1	2	4	0.20	0.30	0.50

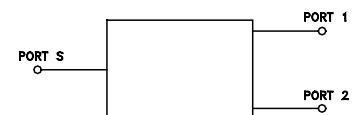
L = low range [f_L to $10 f_L$] M = mid range [$10 f_L$ to $f_U/2$] U = upper range [$f_U/2$ to f_U]

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						
10.00	3.51	3.52	0.00	17.25	0.02	2.02	1.55	1.55
28.00	3.50	3.51	0.00	18.77	0.02	2.02	1.55	1.55
46.00	3.60	3.60	0.00	18.67	0.01	2.02	1.54	1.54
73.00	3.45	3.44	0.00	18.16	0.01	2.02	1.52	1.52
100.00	3.56	3.55	0.00	18.04	0.02	2.02	1.51	1.51
370.00	3.52	3.52	0.00	18.12	0.00	1.97	1.50	1.50
730.00	3.37	3.36	0.01	19.20	0.10	1.82	1.55	1.55
1050.00	3.35	3.33	0.02	20.86	0.14	1.65	1.60	1.61
1250.00	3.57	3.56	0.01	21.62	0.17	1.53	1.63	1.64
1450.00	3.41	3.39	0.01	21.59	0.20	1.43	1.63	1.65
1550.00	3.35	3.33	0.01	21.13	0.10	1.39	1.62	1.65
1650.00	3.42	3.43	0.00	20.40	0.12	1.34	1.60	1.63
1750.00	3.56	3.56	0.01	19.45	0.06	1.28	1.57	1.61
1850.00	3.51	3.51	0.00	18.24	0.03	1.23	1.54	1.58
2000.00	3.60	3.63	0.02	16.53	0.19	1.14	1.47	1.53



electrical schematic



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