

Coaxial

Power Splitter/Combiner

ZFSC-2-10G+

2 Way-0° 50Ω 2000 to 10000 MHz

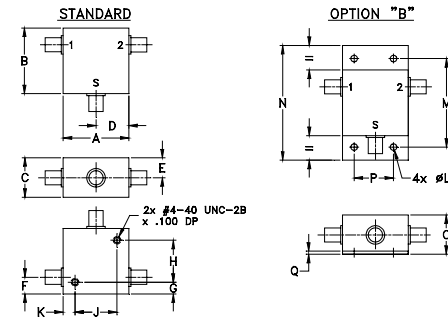
Maximum Ratings

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

SUM SPORT	S
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	.32	.23	.800
31.75	31.75	19.05	16.00	9.65	8.13	5.84	20.32
K	L	M	N	P	Q	wt	
.800	.23	1.688	2.19	.750	.06	grams	
20.32	5.84	42.88	55.63	19.05	1.52	70.0	

Features

- very wideband, 2000 to 10000 MHz
- low insertion loss, 0.5 dB typ.
- excellent amplitude unbalance, 0.1 dB typ.
- rugged shielded case

Applications

- instrumentation
- satellite communications
- defense communications



CASE STYLE: JJJ142

Connectors	Model	Price	Qty.
SMA	ZFSC-2-10G+	\$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.

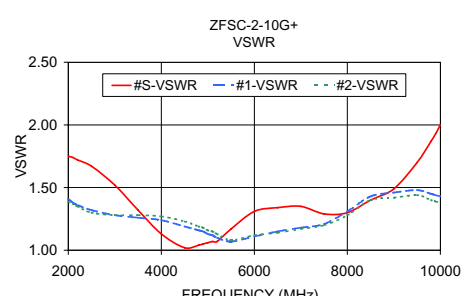
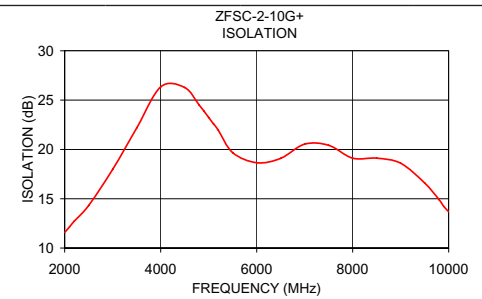
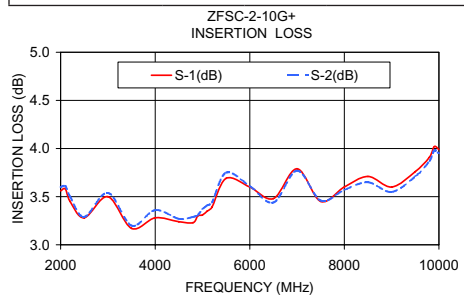
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 3.0 dB		PHASE UNBALANCE (Degrees)		AMPLITUDE UNBALANCE (dB)					
	L	U	L	U	L	U	L	U				
f_L - f_U	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.				
2000-10000	15	9	20	12	0.5	1.5	0.6	1.6	7	12	0.6	0.5

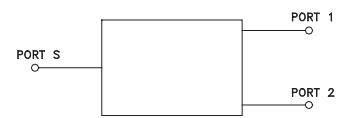
L = f_L to 6 GHz U = 6 GHz to f_U

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						
2000	3.56	3.60	0.04	11.59	0.17	1.75	1.41	1.39
2100	3.58	3.61	0.02	12.13	0.26	1.74	1.38	1.37
2500	3.28	3.29	0.02	14.31	0.59	1.67	1.32	1.30
3000	3.50	3.54	0.04	17.98	0.45	1.52	1.28	1.28
4000	3.28	3.36	0.08	26.34	0.77	1.13	1.24	1.27
4800	3.23	3.29	0.06	24.52	0.92	1.04	1.16	1.19
5000	3.31	3.37	0.05	23.24	0.78	1.06	1.13	1.16
5500	3.69	3.75	0.06	19.67	1.04	1.17	1.07	1.08
6000	3.60	3.61	0.01	18.65	0.66	1.31	1.11	1.12
7000	3.79	3.77	0.03	20.54	1.11	1.35	1.18	1.17
8000	3.60	3.57	0.03	19.11	0.90	1.30	1.31	1.28
9000	3.60	3.55	0.05	18.60	1.30	1.49	1.46	1.42
9800	3.91	3.87	0.04	14.90	1.69	1.87	1.45	1.40
9900	4.02	3.98	0.04	14.21	1.30	1.93	1.44	1.39
10000	3.99	3.95	0.04	13.68	1.70	2.00	1.43	1.38



electrical schematic



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

REV. B
M108294
ZFSC-2-10G+
HY/TD/CP
081208

IF/RF MICROWAVE COMPONENTS