

Coaxial

Power Splitter/Combiner

ZFSC-2-9G+

2 Way-0° 50Ω 3500 to 9000 MHz

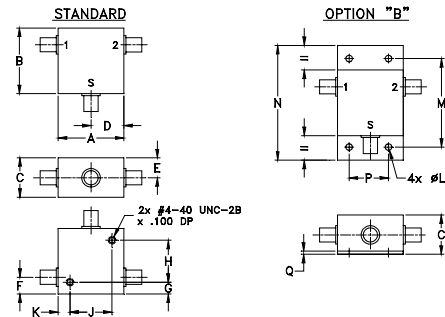
Maximum Ratings

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 PORT	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, 3500 to 9000 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-2-9G+	\$59.95	(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.

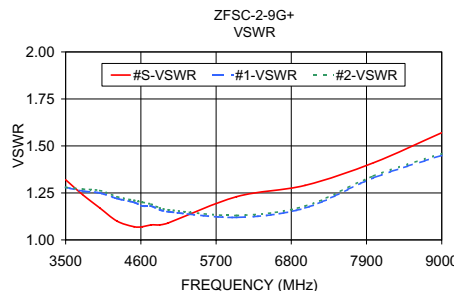
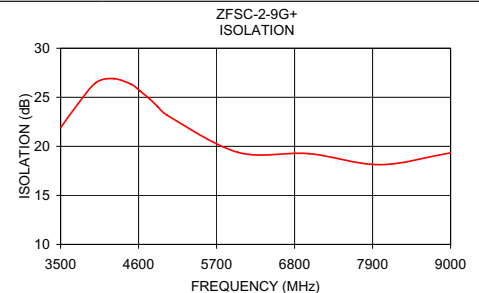
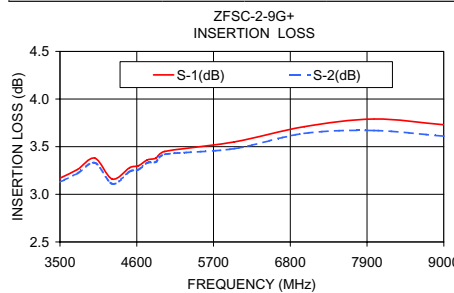
Electrical Specifications

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.	Max.	Max.
3500-9000	18	12	20	12	0.5	1.5	0.6	1.2	7	10
									0.3	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						
3500	3.17	3.13	0.06	21.90	1.29	1.32	1.28	1.28
3750	3.26	3.22	0.06	24.38	1.26	1.24	1.26	1.27
4000	3.38	3.33	0.07	26.50	1.27	1.17	1.25	1.26
4250	3.16	3.11	0.07	26.90	1.52	1.10	1.22	1.23
4500	3.28	3.24	0.05	26.31	1.57	1.07	1.20	1.21
4625	3.30	3.26	0.07	25.61	1.58	1.07	1.18	1.20
4750	3.36	3.33	0.07	24.88	1.64	1.08	1.18	1.19
4875	3.38	3.34	0.06	24.01	1.72	1.08	1.16	1.17
5000	3.45	3.42	0.08	23.18	1.78	1.09	1.15	1.16
6000	3.55	3.48	0.15	19.39	1.96	1.23	1.12	1.13
7000	3.71	3.64	0.13	19.26	2.22	1.29	1.17	1.18
8000	3.79	3.67	0.19	18.13	2.53	1.41	1.33	1.34
9000	3.73	3.61	0.22	19.34	2.54	1.57	1.45	1.46



electrical schematic



Mini-Circuits
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IF/RF MICROWAVE COMPONENTS

REV. B
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ZFSC-2-9G+
HY/TD/CP
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