

Coaxial

Power Splitter/Combiner

ZFSC-2-9G+

2 Way-0° 50Ω 3500 to 9000 MHz

Maximum Ratings

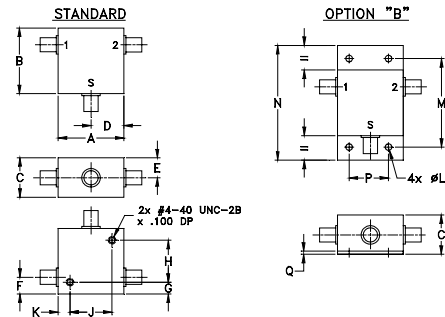
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.125W max.

Permanent damage may occur if any of these limits are exceeded.

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")		\$5.00	(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

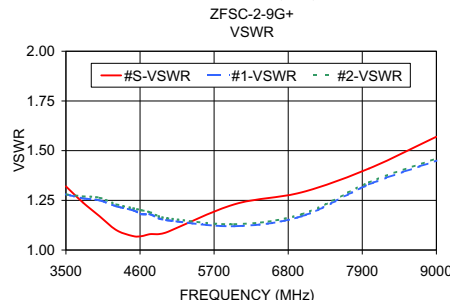
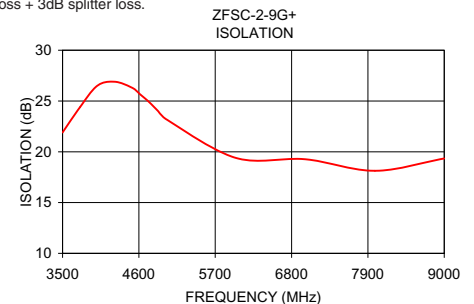
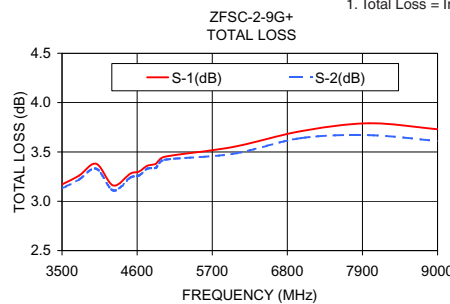
FREQ. RANGE (MHz)	ISOLATION (dB)				INSERTION LOSS (dB) ABOVE 3.0 dB				PHASE UNBALANCE (Degrees)		AMPLITUDE UNBALANCE (dB)	
	L		U		L		U		L	U	L	U
f_L - f_U	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.
3500-9000	18	12	20	12	0.5	1.5	0.6	1.2	7	10	0.3	0.5

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

Typical Performance Data

Frequency (MHz)	Total Loss ¹ (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

1. Total Loss = Insertion Loss + 3dB splitter loss.



electrical schematic



For detailed performance specs & shopping online see web site



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