

Coaxial

Power Splitter/Combiner

ZFSC-2-2500+

2 Way-0° 50Ω 10 to 2500 MHz

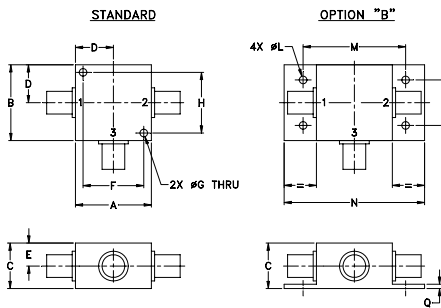
Maximum Ratings

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	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

Features

- very wideband, 10 to 2500 MHz
- low insertion loss, 0.4 dB typ.
- excellent amplitude unbalance, 0.1 dB typ.
- excellent phase unbalance, 1.0 deg. typ.
- rugged shielded case

Applications

- cellular
- GPS
- PCS/DCS
- ISM
- satellite distribution



CASE STYLE: K18

Connectors	Model	Price	Qty.
SMA	ZFSC-2-2500-S+	\$74.95	(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.

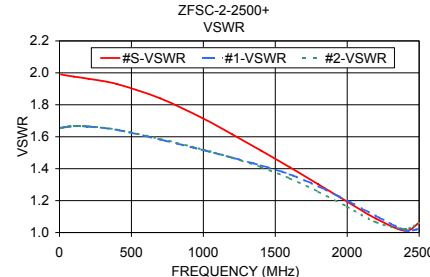
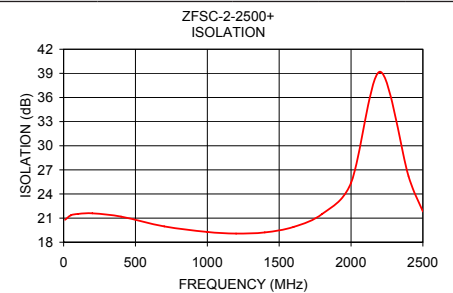
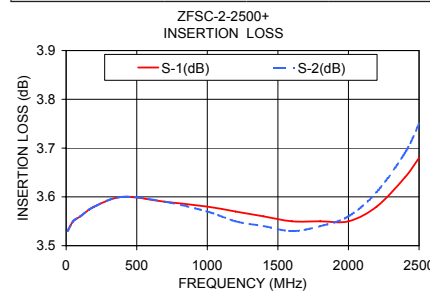
Electrical Specifications

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.						
10-2500	16	11	17	14	17	14	0.5	0.8	0.6	1.4	0.8	1.5	1	4	8	0.2	0.3	0.4

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	3.53	3.53	0.00	20.79	0.01	1.99	1.66	1.66
50.00	3.55	3.55	0.00	21.35	0.02	1.98	1.66	1.66
100.00	3.56	3.56	0.00	21.52	0.04	1.98	1.67	1.67
200.00	3.58	3.58	0.00	21.59	0.06	1.96	1.66	1.66
400.00	3.60	3.60	0.00	21.19	0.11	1.93	1.64	1.64
700.00	3.59	3.59	0.00	19.97	0.19	1.84	1.58	1.59
1000.00	3.58	3.57	0.01	19.28	0.30	1.71	1.52	1.52
1200.00	3.57	3.55	0.01	19.08	0.40	1.62	1.47	1.47
1400.00	3.56	3.54	0.01	19.22	0.54	1.51	1.42	1.41
1600.00	3.55	3.53	0.02	19.90	0.70	1.41	1.36	1.34
1800.00	3.55	3.54	0.01	21.53	0.87	1.30	1.29	1.26
2000.00	3.55	3.56	0.01	25.39	1.06	1.19	1.20	1.16
2200.00	3.58	3.61	0.03	39.20	1.20	1.09	1.10	1.07
2400.00	3.64	3.69	0.05	26.21	1.19	1.01	1.02	1.02
2500.00	3.68	3.75	0.07	21.83	1.16	1.06	1.02	1.06



electrical schematic



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IF/RF MICROWAVE COMPONENTS

REV. C
M121077
ZFSC-2-2500+
HY/TD/CP/AM
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