Coaxial

Power Splitter/Combiner

ZFSC-2-10G+
ZFSC-2-10G

2 Way-0° 50Ω 2000 to 10000 MHz



CASE STYLE: JJJ142

Connectors	Model	Price	Qty.
SMA	ZFSC-2-10G-S(+)	$69.95	(1-9)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

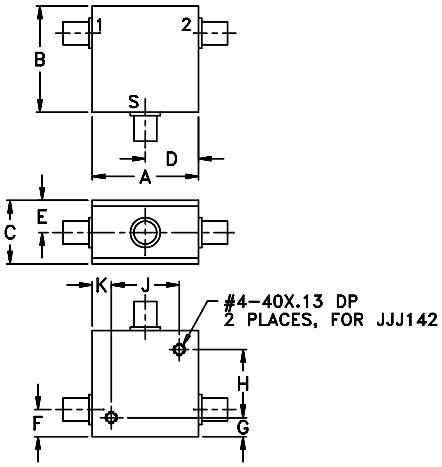
Maximum Ratings

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

SUMPORT	S
PORT 1	1
PORT 2	2

Outline Drawing



Outline Dimensions (inch / mm)

A	B	C	D	E	F
1.25	1.25	.75	.63	.38	.32
31.75	31.75	19.05	16.00	9.65	8.13

G	H	J	K	wt
.23	.800	.800	.23	grams
5.84	20.32	20.32	5.84	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

- instrumenation
- satellite communications
- defense communiations

Splitter Electrical Specifications

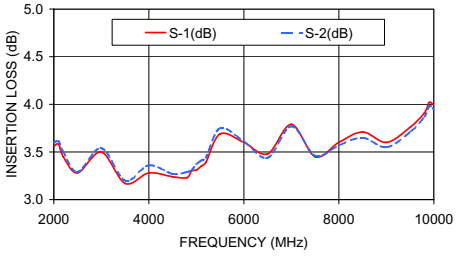
FREQ. RANGE (MHz)	ISOLATION (dB)				INSERTION LOSS (dB) ABOVE 3.0 dB				PHASE UNBALANCE (Degrees)		AMPLITUDE UNBALANCE (dB)	
	L		U		L		U		L	U	L	U
f_L-f_U	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.
2000-10000	15	9	20	12	0.5	1.5	0.6	1.6	7	12	0.6	0.5

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

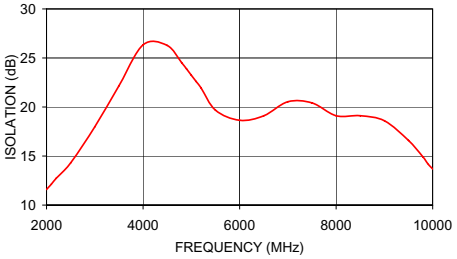
Typical Performance Data

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

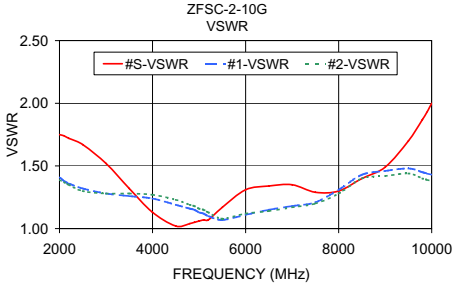
ZFSC-2-10G
INSERTION LOSS



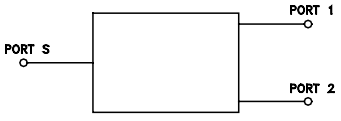
ZFSC-2-10G
ISOLATION



ZFSC-2-10G
VSWR



electrical schematic



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