

Coaxial

Power Splitter/Combiner

ZESC-2-11+

2 Way-0° 50Ω 10 to 2000 MHz

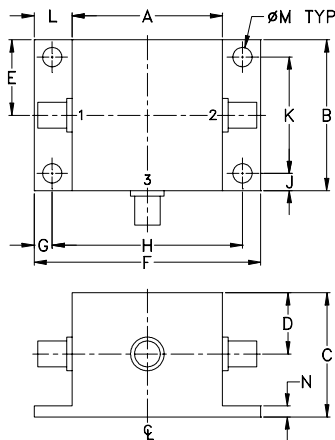
Maximum Ratings

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	3
PORT 1	1
PORT 2	2

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G
.83	.83	.75	.37	.42	1.25	.10
21.08	21.08	19.05	9.40	10.67	31.75	2.54
H	J	K	L	M	N	Wt
1.050	.10	.640	.21	.106	.06	grams
26.67	2.54	16.26	5.33	2.69	1.52	22.0

Features

- wideband, 10 to 2000 MHz
- low insertion loss, 0.5 dB typ.
- good isolation, 19 dB typ.
- rugged shielded case

Applications

- HF/VHF
- instrumentation
- communication systems



CASE STYLE: V37

Connectors	Model	Price	Qty.
SMA	ZESC-2-11+	\$71.95	(1-9)

+ 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

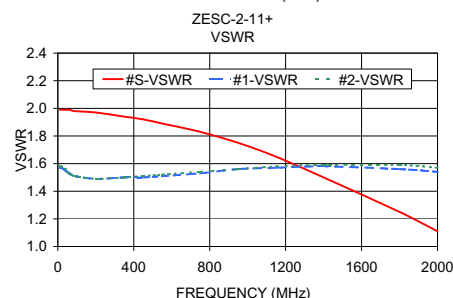
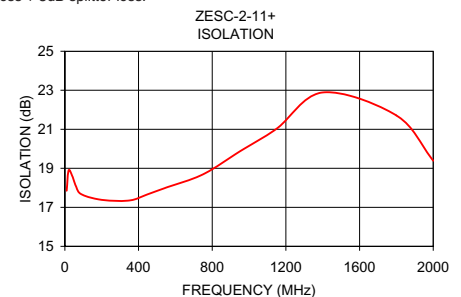
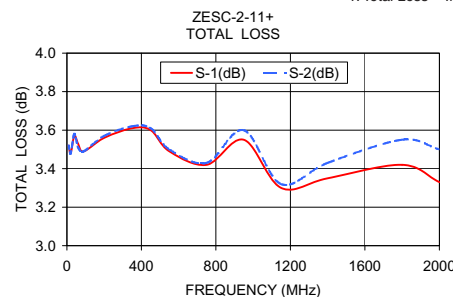
FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 3.0 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		L		M		U		L		M		U	
f_L - f_U	Typ.	Min	Typ.	Min	Typ.	Min	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
10-2000	19	10	18	13	20	11	0.5	0.9	0.5	1.0	0.6	1.2	1	3	6	0.2	0.3	0.5

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)	Total Loss ¹ (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
10.00	3.52	3.52	0.00	17.85	0.03	1.99	1.57	1.58
20.00	3.48	3.48	0.01	18.89	0.05	1.99	1.57	1.58
40.00	3.57	3.58	0.01	18.60	0.03	1.99	1.55	1.56
60.00	3.53	3.51	0.02	18.09	0.02	1.99	1.53	1.53
90.00	3.49	3.49	0.01	17.67	0.07	1.98	1.51	1.51
200.00	3.56	3.57	0.01	17.38	0.05	1.97	1.49	1.49
350.00	3.61	3.62	0.01	17.35	0.03	1.94	1.50	1.50
450.00	3.60	3.61	0.02	17.67	0.02	1.92	1.50	1.51
550.00	3.49	3.50	0.01	18.01	0.05	1.89	1.51	1.52
750.00	3.42	3.43	0.01	18.69	0.11	1.83	1.53	1.54
950.00	3.55	3.60	0.04	19.87	0.07	1.75	1.56	1.56
1150.00	3.30	3.32	0.02	21.03	0.08	1.65	1.57	1.58
1400.00	3.35	3.43	0.08	22.89	0.16	1.50	1.58	1.59
1800.00	3.42	3.55	0.13	21.71	0.05	1.25	1.56	1.59
2000.00	3.33	3.50	0.17	19.39	0.25	1.11	1.54	1.57

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



Electrical Schematic



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