Coaxial

Power Splitter/Combiner

ZESC-2-11

2 Way-0° 50Ω 10 to 2000 MHz

CASE STYLE: V37

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

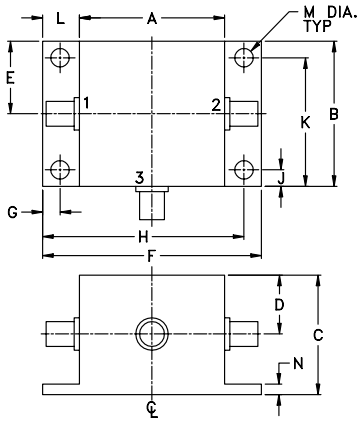
Maximum Ratings

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
.83	.83	.75	.37	.42	1.25	.100
21.08	21.08	19.05	9.40	10.67	31.75	2.54

H	J	K	L	M	N	wt
1.150	.095	.735	.21	.106	.06	grams
29.21	2.41	18.67	5.33	2.69	1.52	34

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

Splitter Electrical Specifications

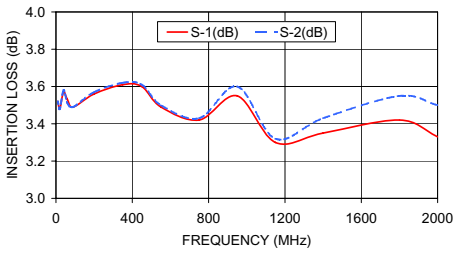
FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 3.0 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		L		M		U		L	M	U	L	M	U
f_L-f_U	Typ.	Min	Typ.	Min	Typ.	Min	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
10-2000	19	10	18	13	20	11	0.5	0.9	0.5	1.0	0.6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

ZESC-2-11
INSERTION LOSS



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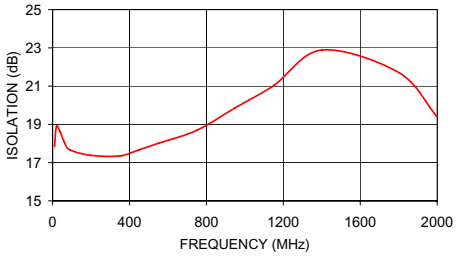
ISOLATION



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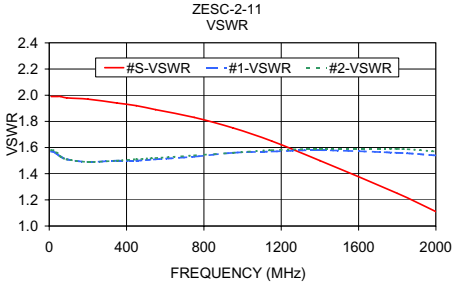
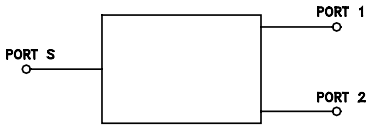
VSWR



electrical schematic



REV. OR
M94482
ZESC-2-11
HY/TD/CP
070202