

Power Splitter/Combiner

ZBSC-615+

6 Way-0° 50Ω 1 to 500 MHz

Maximum Ratings

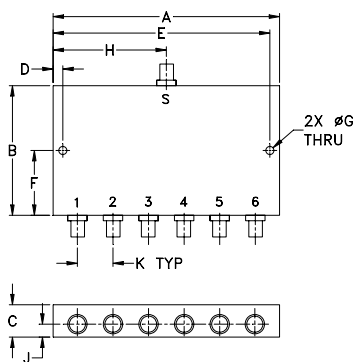
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.5W max.

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

Coaxial Connections

SUM PORT	S
PORT 1,2,3,4,5,6	1,2,3,4,5,6

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F
3.50	2.00	.50	.150	3.350	1.00
88.90	50.80	12.70	3.81	85.09	25.40
G	H	J	K		wt
.125	1.75	.20	.55		grams
3.18	44.45	5.08	13.97		120

Features

- wideband, 1 to 500 MHz
- low insertion loss, 0.7 dB typ.
- good isolation, 26 dB typ.
- rugged shielded case

Applications

- VHF/UHF
- communication systems
- receivers and transmitters



CASE STYLE: UU102			
Connectors	Model	Price	Qty.
SMA	ZBSC-615+	\$119.95	(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.

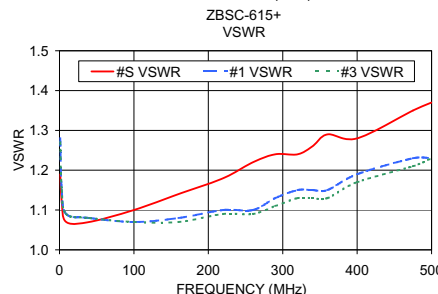
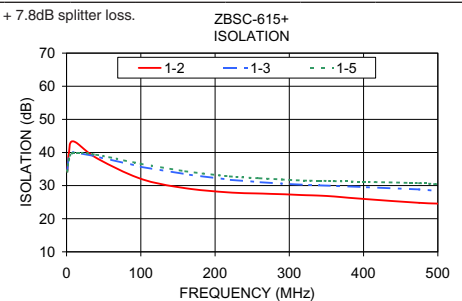
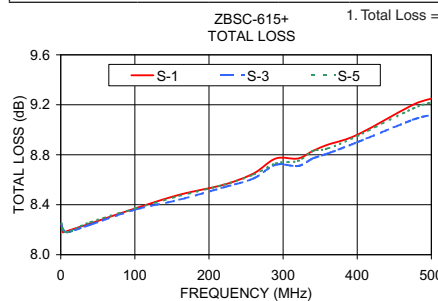
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 7.8 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)		
	L		M		U		L		M		U		L	M	U	L	M	U
	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.
1-500	30	25	26	18	24	18	0.5	0.8	0.7	1.2	1.0	2.2	4	8	20	0.2	0.4	1.2

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 Unbal. (deg.)	VSWR S	VSWR 1	VSWR 3
	S-1	S-2	S-3		1-2	1-3	1-5				
1.00	8.24	8.24	8.25	0.01	34.26	34.79	34.18	0.10	1.19	1.28	1.27
3.00	8.18	8.20	8.20	0.02	39.68	38.91	37.79	0.05	1.12	1.15	1.15
9.00	8.19	8.18	8.18	0.01	43.37	40.14	39.88	0.07	1.07	1.09	1.09
40.00	8.25	8.24	8.26	0.02	38.37	38.79	39.30	0.11	1.07	1.08	1.08
100.00	8.37	8.36	8.37	0.02	32.04	35.70	36.58	0.35	1.10	1.07	1.07
160.00	8.48	8.44	8.47	0.04	29.20	33.43	34.34	0.49	1.14	1.08	1.07
220.00	8.56	8.54	8.56	0.03	27.92	31.74	32.78	0.65	1.18	1.10	1.09
260.00	8.65	8.61	8.64	0.05	27.62	31.05	32.21	0.72	1.22	1.10	1.09
290.00	8.77	8.72	8.73	0.05	27.39	30.59	31.84	0.85	1.24	1.13	1.11
320.00	8.77	8.71	8.75	0.07	27.12	30.22	31.50	0.96	1.24	1.15	1.13
340.00	8.83	8.77	8.83	0.09	26.99	30.08	31.47	1.18	1.26	1.15	1.13
360.00	8.88	8.81	8.85	0.09	26.73	29.92	31.35	1.29	1.29	1.15	1.13
400.00	8.96	8.90	8.95	0.12	25.96	29.56	31.13	1.46	1.28	1.19	1.17
475.00	9.20	9.08	9.17	0.15	24.79	28.83	30.74	1.86	1.35	1.23	1.21
500.00	9.25	9.12	9.22	0.17	24.57	28.42	30.39	2.07	1.37	1.23	1.23



electrical schematic



For detailed performance specs & shopping online see web site

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