

# Power Splitter/Combiner

## HT-ZBSC-413+



4 Way-0° 50Ω 10 to 800 MHz

electrical schematic



### Features

- wideband, 10 to 800 MHz
- rugged, shielded case.

### Applications

- VHF/UHF
- receivers/transmitters

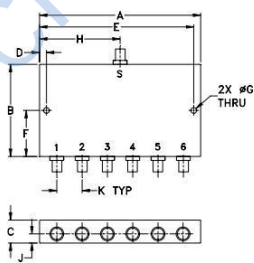
### Transformer Electrical Specifications

Freq. range (MHz)	Isolation(dB)		Insertion Loss (dB) Above 4.8 dB.		Phase Unbalance (Degrees) Max.	Amplitude Unbalance(dB) Max.
	min	max	min	max		
10~800	15	26	0.6	1.6	8	0.6

### Typical Performance Data( TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = +25°C)

Freq. (MHz)	Total Loss (dB)			Amp. Unbal. (dB)	Isolation(dB)			PhaseUnbal. (deg.)	VSWRS			
	S-1	S-2	S-3		1-2	1-4	3-4		S	1	2	3
10	6.35	6.36	6.35	0.01	35.02	35.64	34.88	0.05	1.07	1.05	1.05	1.05
50	6.39	6.38	6.38	0.01	33.68	35.96	33.63	0.06	1.07	1.04	1.04	1.04
100	6.42	6.41	6.42	0.00	31.47	34.89	31.62	0.14	1.11	1.05	1.05	1.05
140	6.47	6.47	6.47	0.00	29.80	33.64	30.02	0.22	1.12	1.06	1.06	1.06
200	6.54	6.54	6.54	0.01	27.93	31.98	28.25	0.12	1.17	1.08	1.07	1.07
300	6.67	6.67	6.67	0.01	26.02	29.66	26.40	0.24	1.22	1.10	1.10	1.10
400	6.70	6.71	6.70	0.01	25.30	27.90	25.88	0.29	1.24	1.13	1.13	1.13
450	6.70	6.71	6.72	0.01	25.45	27.31	26.13	0.41	1.24	1.14	1.14	1.14
500	6.72	6.72	6.73	0.01	25.86	26.70	26.70	0.46	1.24	1.16	1.16	1.16
550	6.84	6.84	6.85	0.01	26.81	26.31	27.88	0.48	1.25	1.17	1.17	1.17
600	6.82	6.83	6.83	0.01	28.21	25.97	29.70	0.45	1.24	1.18	1.19	1.18
650	6.88	6.88	6.90	0.02	30.44	25.73	32.60	0.51	1.24	1.19	1.20	1.20
700	6.94	6.95	6.96	0.02	33.79	25.57	36.63	0.80	1.23	1.20	1.21	1.21
750	6.97	6.98	7.00	0.03	36.6	25.63	35.87	0.73	1.24	1.21	1.22	1.22
800	7.08	7.07	7.10	0.03	33.06	25.63	30.50	0.73	1.22	1.21	1.22	1.22

### Outline Drawing



Coaxial Connections	
SUM PORT	S (input)
PORT 1	2 (output1)
PORT 2	3 (output2)
PORT 3	4 (output3)
PORT 4	5 (output4)
NOT USED	1,6

Maximum Ratings	
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1 W max.
Internal Dissipation	0.25W max.

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

Outline Dimensions: Unit (mm)			
A	19.05	J	15.24
B	9.65	K	11.43
C	5.08	M	11.94
D	0.25	N	2.54
E	1.27	P	3.81
F	0.51		
G	5.08		
H	1.91		
WT			1.6g

