

High Power

Power Splitter/Combiner



ZB4CS-700-10W

4 Way-0°

400 to 700 MHz

Maximum Ratings

Operating Temperature	-55°C to 90°C
Storage Temperature	-55°C to 100°C
Power Input (as a combiner)	10W max.
Internal Dissipation	8W max.

Features

- high isolation, 25 dB typ.
- good input matching VSWR, 1.14 typ.
- good output matching VSWR, 1.1 typ.

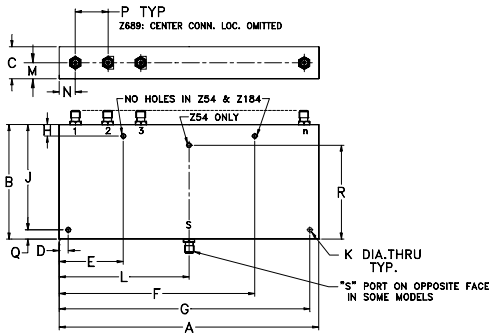
Applications

- UHF-TV/DTV



CASE STYLE: Z689
PRICE: \$134.95 ea.
QTY.: (1-9)

Outline Drawing



Outline Dimensions (inch mm)

A	B	C	D	E	F	G	H	
7.06	3.13	1.00	.250	1.430	5.630	6.810	.250	
179.32	79.50	25.40	6.35	36.32	143.00	172.97	6.35	
J	K	L	M	N	P		wt.	
2.875	.156	3.53	.44	.73	1.40		grams	
73.03	3.96	89.66	11.18	18.54	35.56		810	

Electrical Specifications

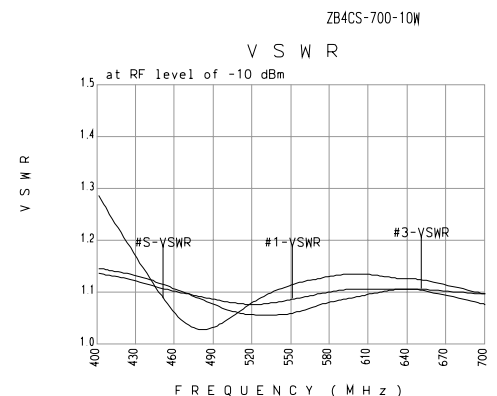
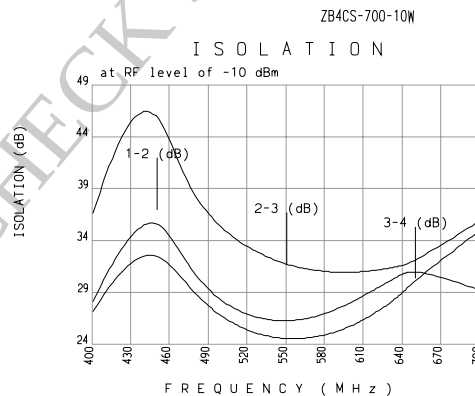
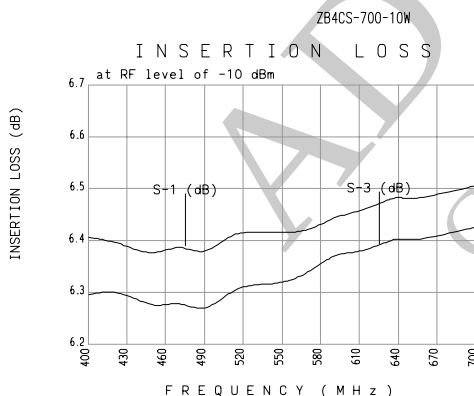
FREQ. (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 6 dB		PHASE UNBALANCE (Deg.)		AMPLITUDE UNBALANCE (dB)		POWER INPUT, W ¹	
fl - fu	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	as combiner ² Max.	as splitter Max.
400 - 700	25	20	0.35	0.8	0.6	4	0.1	0.3	10	20

¹ Over -55°C to +55°C. Derate linearly to 20% of rating at 90°C.

² As a combiner of noncoherent signals, max. power per port is power rating divided by number of ports.

Typical Performance Data

Frequency (MHz)	Insertion Loss				Amplitude Unbalance (dB)	Isolation			Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2	VSWR 3	VSWR 4
	(dB) S-1	(dB) S-2	(dB) S-3	(dB) S-4		(dB) 1-2	(dB) 2-3	(dB) 3-4						
400.00	6.41	6.26	6.30	6.34	0.15	28.12	36.59	27.11	0.21	1.29	1.14	1.15	1.15	1.16
425.00	6.40	6.27	6.31	6.35	0.14	34.17	45.74	31.85	0.10	1.19	1.13	1.14	1.14	1.15
450.00	6.37	6.25	6.27	6.30	0.12	36.86	47.56	33.26	0.11	1.09	1.11	1.13	1.12	1.13
470.00	6.40	6.26	6.29	6.31	0.14	32.20	39.98	30.16	0.23	1.03	1.10	1.11	1.10	1.11
490.00	6.37	6.24	6.26	6.29	0.14	29.04	36.31	27.51	0.30	1.03	1.09	1.10	1.08	1.09
510.00	6.42	6.29	6.31	6.33	0.13	27.29	34.09	25.82	0.31	1.07	1.08	1.09	1.06	1.07
530.00	6.42	6.31	6.32	6.34	0.11	26.42	32.68	24.87	0.40	1.10	1.08	1.10	1.06	1.07
550.00	6.42	6.29	6.32	6.33	0.13	26.18	31.64	24.46	0.52	1.12	1.09	1.11	1.06	1.07
570.00	6.42	6.30	6.34	6.34	0.12	26.52	31.14	24.60	0.43	1.13	1.10	1.12	1.08	1.08
590.00	6.45	6.33	6.38	6.38	0.13	27.38	30.88	25.19	0.36	1.14	1.11	1.13	1.09	1.09
610.00	6.46	6.36	6.38	6.40	0.10	28.66	30.96	26.30	0.50	1.14	1.11	1.14	1.10	1.10
630.00	6.48	6.36	6.40	6.41	0.11	30.13	31.33	27.92	0.50	1.13	1.11	1.14	1.11	1.11
640.00	6.49	6.38	6.41	6.40	0.11	30.79	31.58	28.98	0.43	1.13	1.11	1.13	1.11	1.11
650.00	6.48	6.37	6.40	6.40	0.11	31.26	31.99	30.22	0.36	1.13	1.11	1.13	1.11	1.11
700.00	6.51	6.40	6.43	6.42	0.11	29.24	35.91	35.01	0.41	1.10	1.08	1.10	1.10	1.10



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