

Power Splitter/Combiner

Features

- low insertion loss, 0.4 dB typ.
- high isolation, 31 dB typ.
- excellent VSWR, 1.1:1 typ.
- excellent phase unbalance 1 deg. typ.
- rugged shielded case

Applications

- VHF/UHF
- instrumentation
- communication system

HT-ZCSC-3-R3+



3 Way-0° 50Ω 2 to 300 MHz

electrical schematic



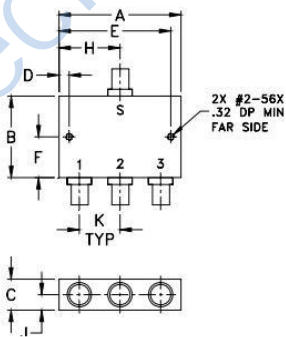
Transformer Electrical Specifications

Freq. range (MHz)	Isolation(dB)		Insertion Loss (dB) Above 4.8 dB.		Phase Unbalance (Degrees) Max.	Amplitude Unbalance(dB) Max.
	min	max	min	max		
2-300	22	32	0.3	1.2	2.0	0.3

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	1-3	2-3		S	1	2	3
2	5.07	5.06	5.07	0.00	31.14	31.55	31.03	0.03	1.11	1.09	1.09	1.09
4	5.05	5.04	5.05	0.01	31.99	32.25	31.85	0.02	1.11	1.07	1.07	1.07
14	5.05	5.04	5.05	0.01	32.30	32.50	32.24	0.05	1.11	1.06	1.06	1.06
20	5.05	5.04	5.05	0.01	32.17	32.44	32.21	0.04	1.10	1.05	1.05	1.05
44	5.08	5.07	5.08	0.01	31.81	32.22	31.97	0.09	1.09	1.04	1.04	1.04
68	5.10	5.09	5.11	0.01	31.49	32.04	31.82	0.23	1.08	1.03	1.04	1.03
92	5.11	5.11	5.12	0.01	31.25	32.01	31.79	0.32	1.07	1.03	1.04	1.02
120	5.13	5.13	5.16	0.03	31.15	32.15	31.93	0.33	1.07	1.04	1.05	1.04
150	5.18	5.18	5.25	0.06	31.34	32.56	32.42	0.42	1.06	1.04	1.05	1.05
180	5.17	5.17	5.26	0.09	31.91	33.29	33.26	0.45	1.04	1.03	1.03	1.04
220	5.19	5.20	5.33	0.14	33.67	35.24	35.57	0.56	1.04	1.04	1.04	1.04
250	5.30	5.31	5.47	0.18	36.27	37.44	39.06	0.68	1.10	1.07	1.07	1.09
270	5.28	5.30	5.48	0.21	38.73	38.61	42.11	0.76	1.14	1.08	1.08	1.10
290	5.29	5.31	5.51	0.23	40.66	38.38	42.54	0.72	1.17	1.07	1.08	1.11
300	5.29	5.31	5.54	0.25	40.04	37.45	40.72	0.81	1.18	1.07	1.07	1.10

Outline Drawing



Coaxial Connections	
SUM PORT	S (input)
PORT 1	1 (output1)
PORT 2	2 (output2)
PORT 3	3 (output3)

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	0.375W max.

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

Outline Dimensions: Unit (mm)			
A	38.10	J	4.83
B	25.40	K	12.70
C	9.65		
D	3.18		
E	34.93		
F	12.70		
G	-		
H	19.05		
WT	28g		

