HenryTech

Power Splitter/Combiner

HT-ZCSC-3-R3+

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

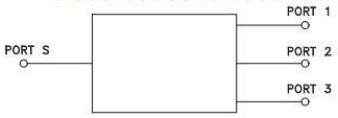
- VHF/UHF
- instrumentation
- communication system

3 Way-0° 50Ω 2 to 300 MHz

Transformer Electrical Specifications

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

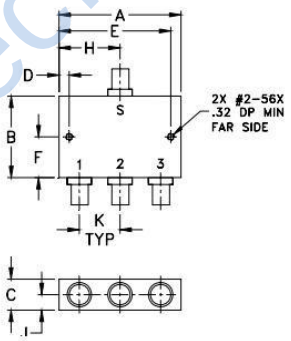
electrical schematic



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

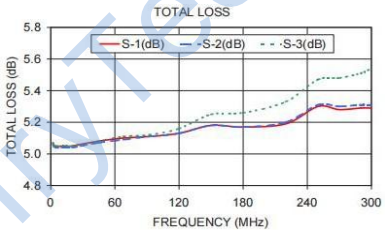


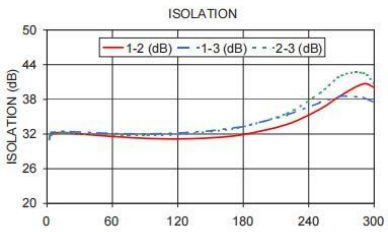
Outline Dimensions：Unit (mm)			
A	38.10	J	4.83
B	25.40	K	12.70
C	9.65		
D	3.18		
E	34.93		
F	12.70		
G	-		
H	19.05		
WT	28g		

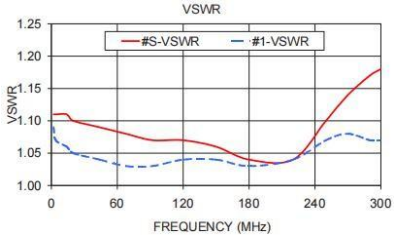
Coaxial Connections	
SUM PORT	S（input）
PORT 1	1（output1）
PORT 2	2（output2）
PORT 3	3（output3）

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.







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