HenryTech

Power Splitter/Combiner

HT-ZX10-2-25+

2 Way-0° 50Ω 1000 to 2500 MHz

Features
- excellent amplitude unbalance
- very good phase unbalance
- small size
- low cost

Applications
- PCN/PCS
- VSAT
- ISM
- GPS
- defense
- communications

Transformer Electrical Specifications

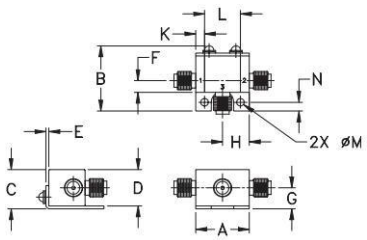
FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 3.0 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)
	Typ.	Min.	Typ.	Max.	Max.	Max.
1000-2500	20	14	0.25	0.9	10.0	1.2
1400-1800	18	16	0.9	1.4	6.0	0.6
1800-2000	19	16	0.9	1.4	6.0	0.6

electrical schematic

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

Frequency. (MHz)	Total Loss (dB)		Amp. Unbal. (dB)	Isolation (dB)	PhaseUnbal. (deg.)	VSWRS		
	S-1	S-2				S	1	2
1000	4.13	3.70	0.43	21.64	2.82	1.70	1.63	1.52
1100	4.08	3.70	0.38	20.77	2.58	1.65	1.55	1.47
1200	4.01	3.70	0.31	20.10	2.27	1.61	1.48	1.42
1300	3.96	3.71	0.25	19.63	2.23	1.56	1.42	1.37
1400	3.93	3.73	0.21	19.33	2.05	1.52	1.36	1.32
1500	3.93	3.75	0.18	19.19	2.07	1.48	1.31	1.27
1600	3.93	3.81	0.12	19.22	2.10	1.43	1.26	1.23
1800	3.90	3.87	0.30	19.75	2.27	1.33	1.16	1.17
1900	3.90	3.90	0.01	20.29	2.59	1.28	1.12	1.15
2000	3.91	3.95	0.05	20.99	3.08	1.23	1.08	1.14
2100	3.93	4.03	0.10	21.68	3.65	1.22	1.04	1.16
2200	3.94	4.12	0.18	22.06	4.43	1.23	1.03	1.19
2300	3.96	4.20	024	21.62	5.16	1.30	1.06	1.26
2400	4.02	4.30	0.29	20.20	5.94	1.42	1.11	1.34
2500	4.12	4.44	0.32	18.17	7.12	1.60	1.16	1.43

Outline Drawing

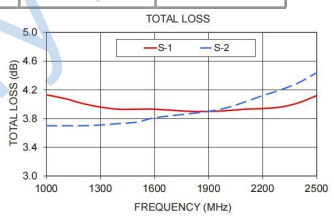


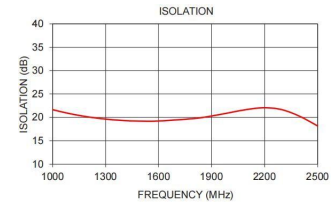
Outline Dimensions：Unit (mm)					
A	18.80	B	22.86	C	13.72
D	12.70	E	1.02	F	4.06
G	7.37	H	9.40	J	-
K	3.10	L	12.60	M	2.69
N	3.10	WT		20.0	

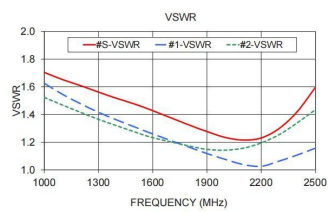
Coaxial Connections	
SUM PORT	3（input）
PORT 1	1（output1）
PORT 2	2（output2）

Maximum Ratings	
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1 W max.
Internal Dissipation	0.125W max.

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







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