

Coaxial

Power Splitter/Combiner

ZC16PD-24+

16 Way-0° 50Ω 650 to 2400 MHz

Maximum Ratings

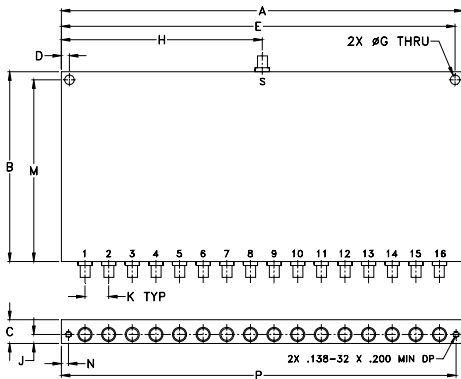
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	2.4W max.

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

Coaxial Connections

SUM PORT	S
PORT 1,2,3,.....,16	1,2,3,.....,16

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	G	H
8.50	4.00	.50	.170	8.330	.201	4.25
215.90	101.60	12.70	4.32	211.58	5.11	107.95
J	K	M	N	P	wt	
.19	.500	3.830	.150	8.350	grams	
4.83	12.70	97.28	3.81	212.09	450	

Features

- wideband, 650 to 2400 MHz
- low insertion loss, 0.8 dB typ.
- good isolation, 25 dB typ.
- excellent output VSWR, 1.1:1 typ.
- up to 10W power input as splitter

Applications

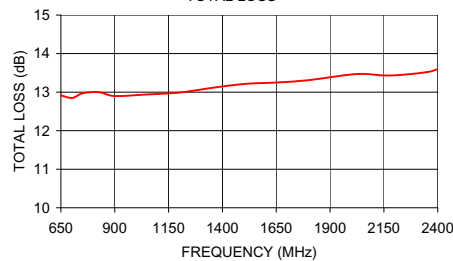
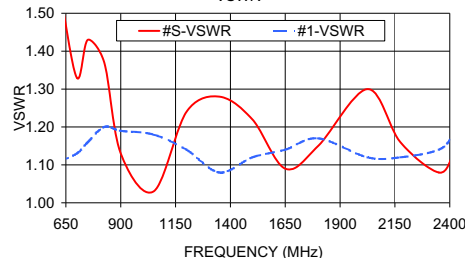
- UHF
- cellular
- GPS
- communication systems
- PCS/DCS

Electrical Specifications

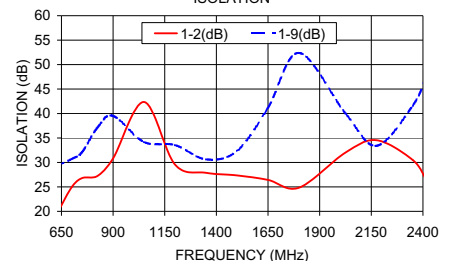
FREQ. RANGE (MHz)	ISOLATION (dB)	INSERTION LOSS (dB) ABOVE 12 dB	PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	VSWR (:1)
$f_c - f_u$	Typ. Min.	Typ. Max.	Max.	Max.	S Typ. Max. OUT Typ. Max.
650-2400	25 14	0.8 2.25	14	0.9	1.2 1.9 1.1 1.5

Typical Performance Data

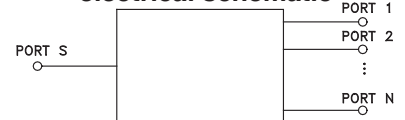
Freq. (MHz)	Total Loss ¹ (dB)	Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1
	S-1		Adjacent Opposite			
625.00	12.96	0.22	19.28 29.26	1.87	1.55	1.11
700.00	12.85	0.23	24.95 30.71	1.95	1.33	1.13
750.00	12.97	0.27	26.80 32.11	1.96	1.43	1.16
825.00	13.00	0.29	27.25 37.16	2.47	1.37	1.20
900.00	12.90	0.30	30.82 39.51	2.59	1.13	1.19
1050.00	12.94	0.32	42.35 34.18	2.10	1.03	1.18
1200.00	12.99	0.25	29.56 33.55	2.88	1.24	1.14
1350.00	13.11	0.24	27.88 30.62	3.24	1.28	1.08
1500.00	13.21	0.25	27.34 32.34	3.95	1.22	1.12
1650.00	13.25	0.28	26.43 41.17	4.09	1.09	1.14
1800.00	13.31	0.30	24.83 52.40	4.29	1.15	1.17
2025.00	13.47	0.26	32.02 40.01	4.51	1.30	1.12
2175.00	13.43	0.32	34.54 33.40	5.20	1.16	1.12
2350.00	13.52	0.38	30.51 41.58	5.27	1.08	1.14
2420.00	13.64	0.42	26.19 47.83	5.66	1.13	1.18

ZC16PD-24+
TOTAL LOSSZC16PD-24+
VSWR

1. Total Loss = Insertion Loss + 12dB splitter loss.

ZC16PD-24+
ISOLATION

electrical schematic



For detailed performance specs
& shopping online see web site

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