

Coaxial Power Splitter/Combiner

ZC16PD-24

16 Way-0° 50Ω 650 to 2400 MHz

Maximum Ratings

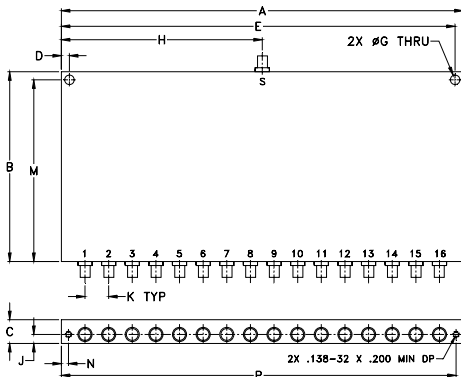
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	2.4W max.

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



CASE STYLE: UU640

Connectors	Model	Price	Qty.
SMA	ZC16PD-24-S	\$349.00	(1-9)

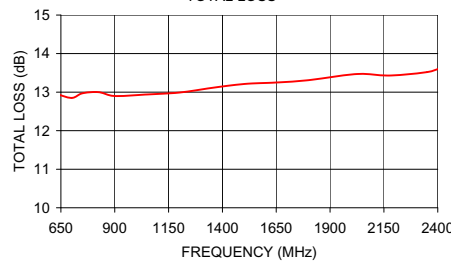
Electrical Specifications

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

Typical Performance Data

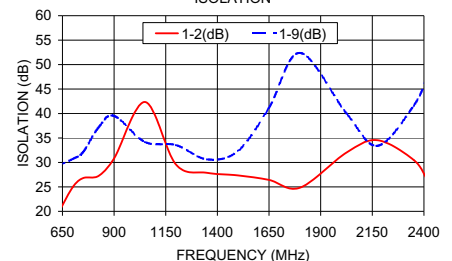
Freq. (MHz)	Total Loss ¹ (dB)	Amplitude Unbalance (dB)	Isolation (dB)		Phase Unbalance (deg.)	VSWR S	VSWR 1
			Adjacent	Opposite			
			S-1				
625.00	12.96	0.22	19.28	29.26	1.87	1.55	1.11
700.00	12.85	0.23	24.95	30.71	1.95	1.33	1.13
750.00	12.97	0.27	26.80	32.11	1.96	1.43	1.16
825.00	13.00	0.29	27.25	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 LOSS

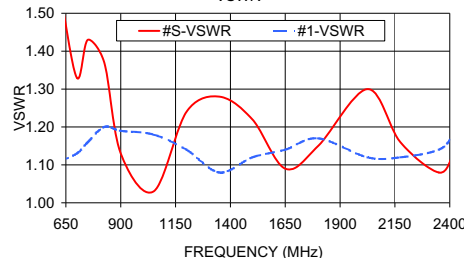


1. Total Loss = Insertion Loss +12dB splitter loss.

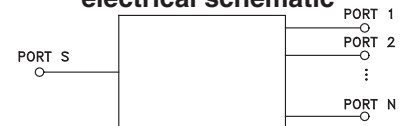
ZC16PD-24 ISOLATION



ZC16PD-24 VSWR



electrical schematic



For detailed performance specs & shopping online see web site



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