

Coaxial

Power Splitter/Combiner

ZC16PD-24

16 Way-0° 50Ω 650 to 2400 MHz

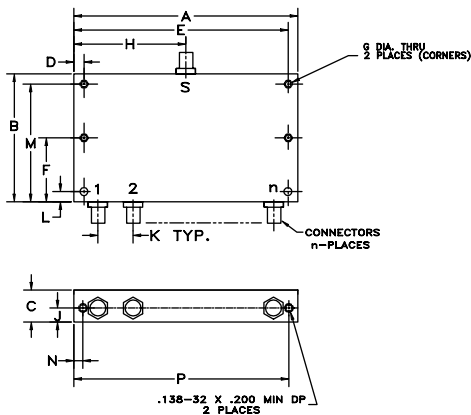
Maximum Ratings

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.

Coaxial Connections

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

Outline Drawing



Outline Dimensions (inch)

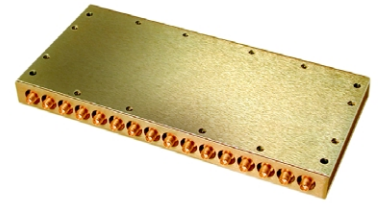
A	B	C	D	E	G	H
8.50	4.00	.50	.170	8.330	.201	4.25
215.90	101.60	12.70	4.32	211.58	5.11	107.95
J	K	M	N	P	wt	
.19	.500	3.830	.150	8.350	grams	
4.83	12.70	97.28	3.81	212.09		450

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

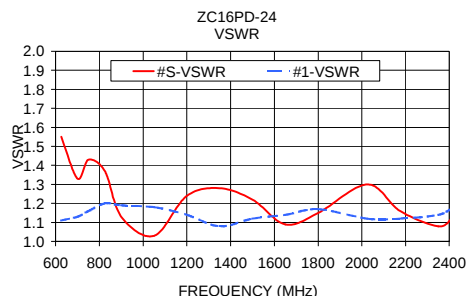
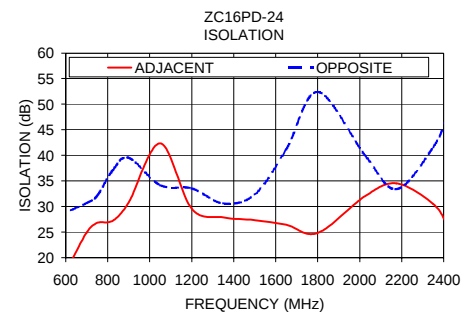
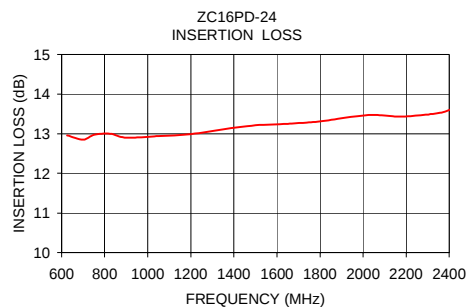
Connectors	Model	Price	Qty.
SMA	ZC16PD-24-S	\$349.00	(1-9)

Splitter Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)	INSERTION LOSS (dB) ABOVE 12 dB	PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	VSWR (:1)
$f_L - f_U$	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

Frequency (MHz)	Insertion Loss (dB) S-1	Amplitude Unbalance (dB)	Isolation (dB)		Phase Unbalance (deg.)	VSWR S	VSWR 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



electrical schematic



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