

Coaxial

Power Splitter/Combiner

ZC16PD-24+

16 Way-0° 50Ω 650 to 2400 MHz

Maximum Ratings

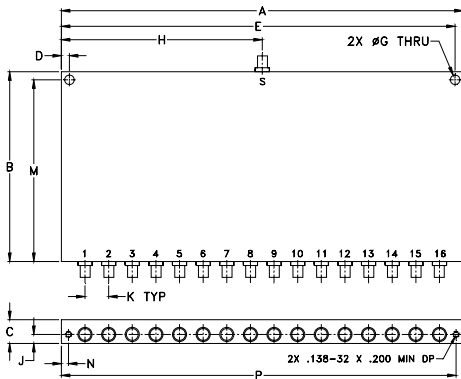
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	2.4W max.

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
SMA	ZC16PD-24-S+

+RoHS Compliant

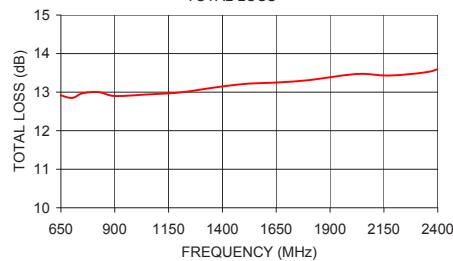
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

Electrical Specifications

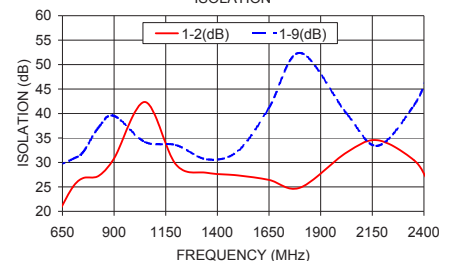
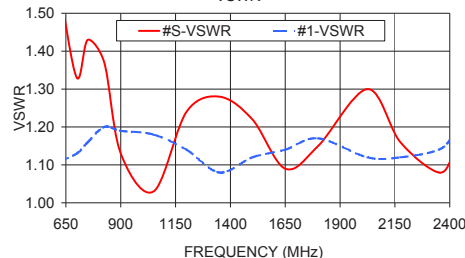
FREQ. RANGE (MHz)	ISOLATION (dB)	INSERTION LOSS (dB) ABOVE 12 dB	PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	VSWR (:1)
f_L - f_U	Typ. Min.	Typ. Max.	Max.	Max.	S Typ. Max. OUT Typ. Max.
650-2400	25 14	0.8 2.25	14	0.9	1.2 1.9 1.1 1.5

Typical Performance Data

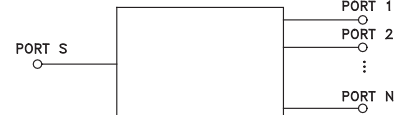
Freq. (MHz)	Total Loss ¹ (dB)	Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1
	S-1		Adjacent Opposite			
625.00	12.96	0.22	19.28 29.26	1.87	1.55	1.11
700.00	12.85	0.23	24.95 30.71	1.95	1.33	1.13
750.00	12.97	0.27	26.80 32.11	1.96	1.43	1.16
825.00	13.00	0.29	27.25 37.16	2.47	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 LOSS

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

ZC16PD-24+
ISOLATIONZC16PD-24+
VSWR

electrical schematic



Notes

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
 B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
 C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp



www.minicircuits.com P.O. Box 350166, Brooklyn, NY 11235-0003 (718) 934-4500 sales@minicircuits.com

REV. E
M151107
ZC16PD-24+
HY/TD/CP/AM
151016