

Coaxial Power Splitter/Combiner

ZC16PD-960+ ZC16PD-960

16 Way-0° 50Ω 890 to 960 MHz

Maximum Ratings

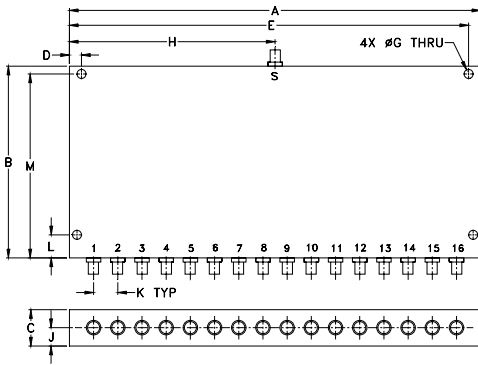
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	2.4W max.

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)

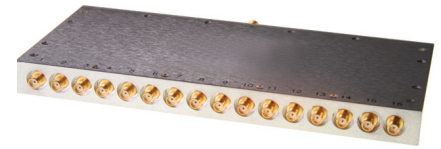
A	B	C	D	E	F	G
8.50	3.95	.75	.250	8.250	-	.187
215.90	100.33	19.05	6.35	209.55	-	4.75
H	J	K	L	M	wt	
4.250	.38	.500	.475	3.475	grams	710
107.95	9.65	12.70	12.07	88.27		

Features

- high isolation, 28 dB typ.
- low insertion loss, 0.5 dB typ.
- excellent VSWR, 1.06:1 typ.
- up to 10W power input as splitter
- rugged shielded case

Applications

- UHF
- cellular
- communication systems



CASE STYLE: UU179

Connectors	Model	Price	Qty.
SMA	ZC16PD-960-S(+)	\$295.00	(1-9)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

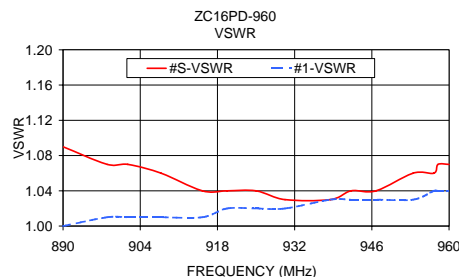
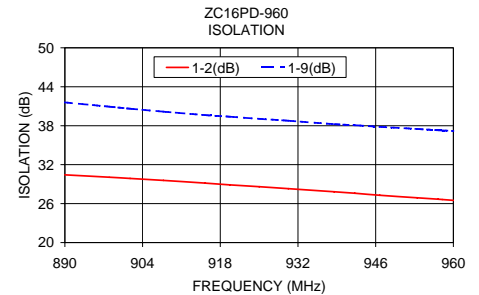
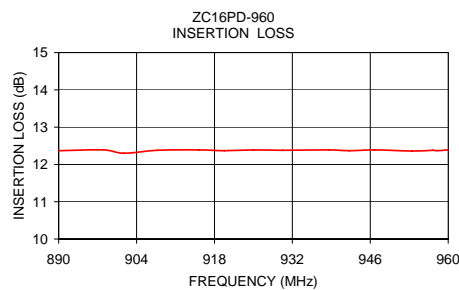
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Electrical Specifications

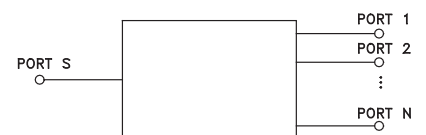
FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 12 dB		AMPLITUDE UNBALANCE (dB)	VSWR (:1)			
	Typ.	Min.	Typ.	Max.		S		OUT	
f_1-f_2					Max.	Typ.	Max.	Typ.	Max.
890-960	28	20	0.5	1.0	0.5	1.06	1.3	1.06	1.2

Typical Performance Data

Freq. (MHz)	Insertion Loss (dB)	Amplitude Unbalance (dB)	Isolation (dB)		VSWR S	VSWR 1
	S-1		1-2	1-9		
890.00	12.37	0.24	30.43	41.59	1.09	1.00
898.00	12.39	0.24	30.07	40.94	1.07	1.01
901.75	12.30	0.22	29.88	40.62	1.07	1.01
907.75	12.38	0.25	29.58	40.17	1.06	1.01
915.25	12.39	0.23	29.16	39.64	1.04	1.01
919.75	12.37	0.25	28.89	39.39	1.04	1.02
925.00	12.39	0.24	28.61	39.06	1.04	1.02
930.25	12.38	0.25	28.30	38.77	1.03	1.02
938.50	12.39	0.26	27.83	38.25	1.03	1.03
942.25	12.37	0.24	27.60	38.08	1.04	1.03
946.75	12.39	0.25	27.29	37.83	1.04	1.03
953.50	12.36	0.26	26.89	37.51	1.06	1.03
957.25	12.38	0.24	26.68	37.30	1.06	1.04
958.00	12.37	0.26	26.63	37.28	1.07	1.04
960.00	12.39	0.25	26.51	37.19	1.07	1.04



electrical schematic



For detailed performance specs & shopping online see web site

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine Provides ACTUAL Data Instantly at minicircuits.com

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet 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.

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