

Coaxial

# Power Splitter/Combiner ZC16PD-960W-S+

16 Way-0° 50Ω 700 to 1000 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

## Features

- low insertion loss, 0.5 dB typ.
- excellent VSWR, 1.1:1 typ.
- good isolation, 28 dB typ.

## Applications

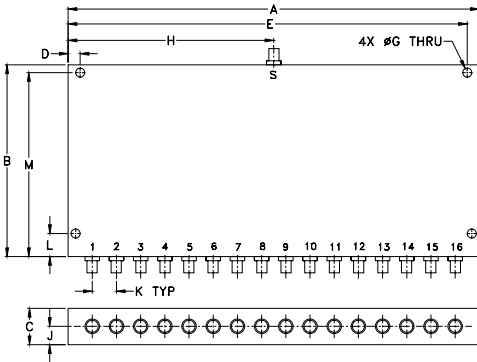
- UHF
- cellular
- communication systems

CASE STYLE: UU179

Connectors	Model
SMA	ZC16PD-960W-S+

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

## 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	
107.95	9.65	12.70	12.07	88.27	710	

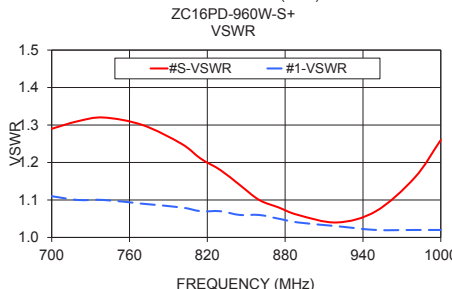
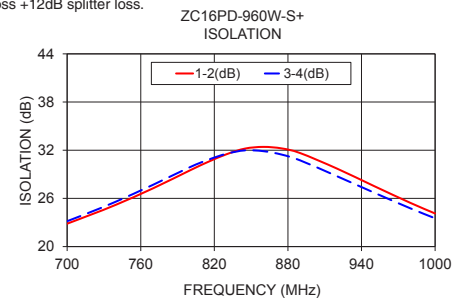
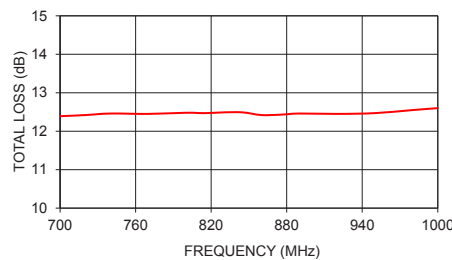
## Electrical Specifications

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.
700-1000	26	15	0.5	1.3	—	0.6	1.1	1.6	1.06	1.3

## Typical Performance Data

Freq. (MHz)	Total Loss <sup>1</sup> (dB)	Amplitude Unbalance (dB)	Isolation (dB)		Phase Unbalance (deg.)	VSWR S	VSWR 1
	S-1		1-2	3-4			
700.00	12.39	0.32	22.85	23.16	11.15	1.29	1.11
720.00	12.42	0.29	24.01	24.35	11.49	1.31	1.10
740.00	12.46	0.29	25.22	25.61	11.19	1.32	1.10
770.00	12.45	0.38	27.25	27.69	11.43	1.30	1.09
800.00	12.48	0.28	29.48	29.88	12.12	1.25	1.08
815.00	12.47	0.27	30.55	30.81	12.09	1.21	1.07
830.00	12.49	0.24	31.50	31.56	12.16	1.18	1.07
845.00	12.49	0.25	32.20	31.98	12.05	1.14	1.06
860.00	12.42	0.26	32.41	31.88	12.23	1.10	1.06
875.00	12.43	0.35	32.22	31.45	12.83	1.08	1.05
890.00	12.46	0.35	31.64	30.73	13.20	1.06	1.04
920.00	12.45	0.33	29.71	28.76	13.21	1.04	1.03
950.00	12.47	0.22	27.55	26.73	13.48	1.07	1.02
980.00	12.55	0.23	25.43	24.75	14.45	1.16	1.02
1000.00	12.60	0.21	24.12	23.52	14.54	1.26	1.02

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



## electrical schematic



## Notes

- 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.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
- 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/WCLStore/terms.jsp](http://www.minicircuits.com/WCLStore/terms.jsp)

