

Coaxial

Power Splitter/Combiner

16 Way-0° 50Ω 700 to 1000 MHz

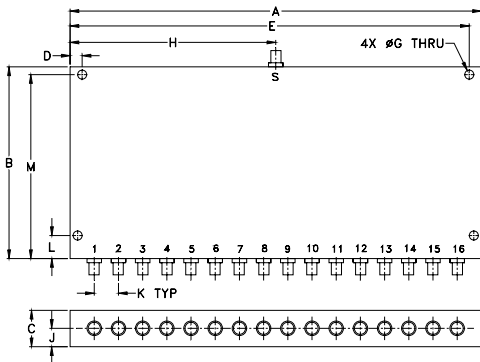
Maximum Ratings

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

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	

Features

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

Applications

- UHF
- cellular
- communication systems

ZC16PD-960W+
ZC16PD-960W



CASE STYLE: UU179

Connectors	Model	Price	Qty.
SMA	ZC16PD-960W-S(+)	\$265.00	(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

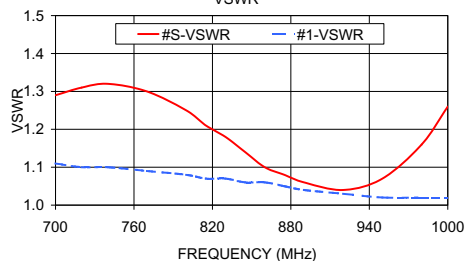
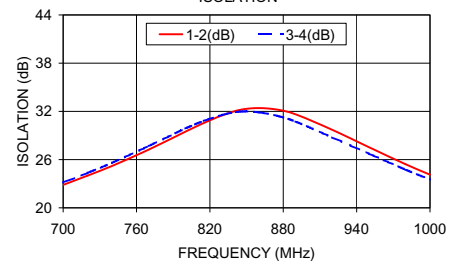
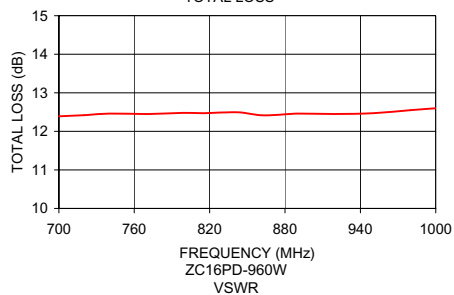
FREQ. RANGE (MHz)	ISOLATION (dB)	INSERTION LOSS (dB) ABOVE 12 dB	PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	VSWR (:1)
f_L - f_U	Typ. Min.	Typ. Max.	Max.	Max.	S Typ. Max. OUT Typ. Max.
700-1000	26 15	0.5 1.3	—	0.6	1.1 1.6 1.06 1.3

Typical Performance Data

Freq. (MHz)	Total Loss ¹ (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

ZC16PD-960W
TOTAL LOSS

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

ZC16PD-960W
ISOLATION

electrical schematic



Mini-Circuits®
ISO 9001 ISO 14001 AS 9100 CERTIFIED

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ZC16PD-960W
HY/TD/CP
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