

Coaxial

Power Splitter/Combiner

ZC16PD-1900

16 Way-0° 50Ω 1700 to 1900 MHz

Maximum Ratings

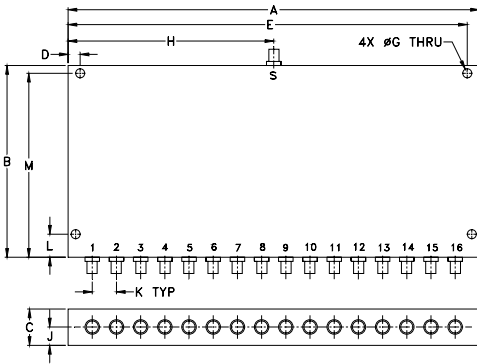
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	2.4W max.

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)

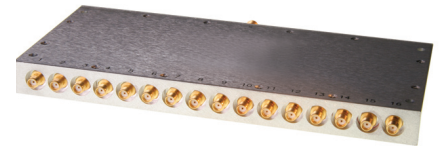
A	B	C	D	E	F	G
8.50	3.95	.75	.250	8.250	—	.187
215.90	100.33	19.05	6.35	209.55	—	4.75
H	J	K	L	M	wt	
4.250	.38	.500	.475	3.475	grams	
107.95	9.65	12.70	12.07	88.27	710	

Features

- high isolation, 30 dB typ.
- low insertion loss, 0.5 dB typ.
- excellent VSWR, 1.1:1 typ.
- up to 10W power input as splitter
- rugged shielded case

Applications

- DCS
- communication systems



CASE STYLE: UU179

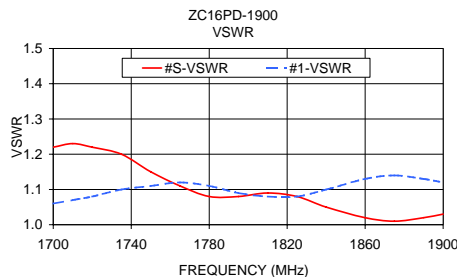
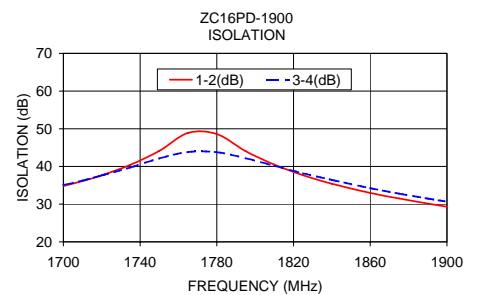
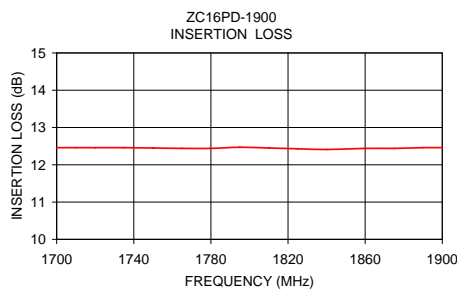
Connectors	Model	Price	Qty.
SMA	ZC16PD-1900-S	\$309.00	(1-9)

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.
1700-1900	30	20	0.5	1.0	—	0.8	1.15	1.35	1.06	1.3

Typical Performance Data

Freq. (MHz)	Insertion Loss (dB)	Amplitude Unbalance (dB)	Isolation (dB)		Phase Unbalance (deg.)	VSWR S	VSWR 1
	S-1		1-2	3-4			
1700.00	12.46	0.20	34.83	35.07	7.74	1.22	1.06
1710.00	12.46	0.18	36.13	36.27	9.14	1.23	1.07
1720.00	12.46	0.22	37.67	37.62	9.21	1.22	1.08
1735.00	12.46	0.29	40.45	39.74	9.41	1.20	1.10
1750.00	12.45	0.17	44.13	42.13	9.53	1.15	1.11
1765.00	12.44	0.18	48.90	43.85	9.55	1.11	1.12
1780.00	12.44	0.22	48.59	43.79	9.22	1.08	1.11
1795.00	12.47	0.27	44.06	42.19	9.38	1.08	1.09
1810.00	12.45	0.28	40.49	40.20	9.36	1.09	1.08
1825.00	12.43	0.29	37.66	38.20	9.53	1.08	1.08
1840.00	12.41	0.27	35.42	36.43	9.48	1.05	1.10
1860.00	12.44	0.25	32.99	34.26	9.44	1.02	1.13
1875.00	12.44	0.27	31.51	32.80	9.75	1.01	1.14
1890.00	12.46	0.25	30.16	31.50	9.80	1.02	1.13
1900.00	12.46	0.24	29.31	30.69	9.73	1.03	1.12



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 www.minicircuits.com Provides ACTUAL Data Instantly at minicircuits.com

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