

Coaxial

Power Splitter/Combiner

16 Way-0° 50Ω 1500 to 2100 MHz

ZC16PD-1900W+

Maximum Ratings

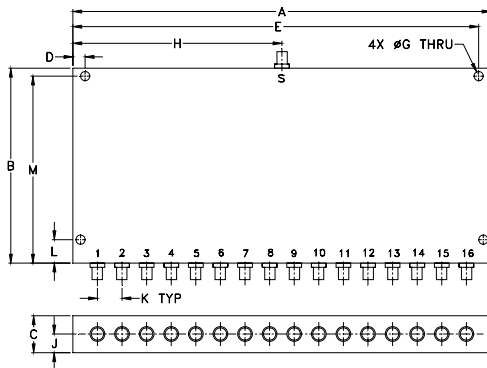
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	2.4W max.

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, 30 dB typ.
- excellent VSWR, 1.2:1 typ.
- up to 10W power input as splitter
- rugged shielded case

Applications

- DCS
- PCS
- communication systems
- instrumentation



CASE STYLE: UU179

Connectors	Model
SMA	ZC16PD-1900W-S+

+RoHS Compliant

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

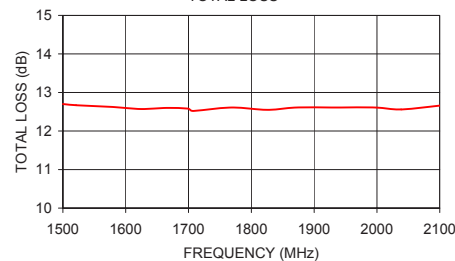
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 12 dB		AMPLITUDE UNBALANCE (dB)	VSWR (:1)			
	Typ.	Min.	Typ.	Max.		Max.	S		OUT
f _L -f _U						Typ.	Max.	Typ.	Max.
1500-2100	30	15	0.7	1.4	0.8	1.25	1.6	1.15	1.35

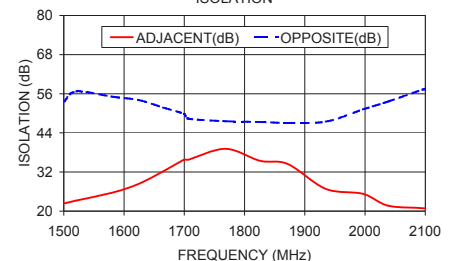
Typical Performance Data

Freq. (MHz)	Total Loss ¹ (dB)	Amplitude Unbalance (dB)	Isolation (dB)		VSWR S	VSWR 1
			Adjacent	Opposite		
1500.00	12.70	0.07	22.35	53.54	1.33	1.09
1521.00	12.67	0.07	23.25	56.69	1.32	1.09
1582.50	12.62	0.19	25.75	55.05	1.25	1.09
1624.50	12.57	0.17	28.37	54.07	1.18	1.08
1665.00	12.60	0.07	32.23	51.78	1.12	1.08
1699.50	12.58	0.14	35.77	49.82	1.07	1.07
1707.00	12.52	0.08	35.79	48.34	1.07	1.07
1768.50	12.61	0.10	39.11	47.58	1.06	1.07
1825.50	12.55	0.15	35.46	47.33	1.07	1.08
1872.00	12.61	0.16	34.44	47.08	1.09	1.08
1935.00	12.61	0.17	26.81	47.46	1.13	1.09
1996.50	12.61	0.21	25.30	51.19	1.20	1.09
2038.50	12.56	0.24	21.67	53.64	1.24	1.09
2100.00	12.66	0.18	20.82	57.50	1.25	1.09
2100.00	12.66	0.19	19.66	56.81	1.25	1.09

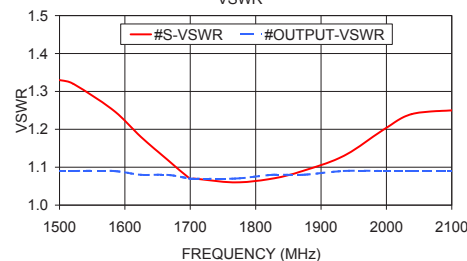
ZC16PD-1900W+
TOTAL LOSS



ZC16PD-1900W+
ISOLATION



ZC16PD-1900W+
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

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