

Power Splitter/Combiner

ZC16PD-1900W+

16 Way-0° 50Ω 1500 to 2100 MHz

Maximum Ratings

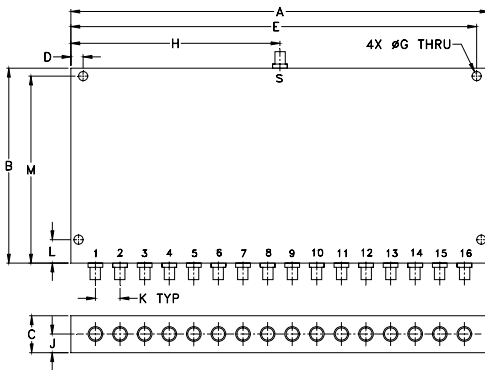
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	2.4W max.

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)

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

Applications

- DCS
- PCS
- communication systems
- instrumentation

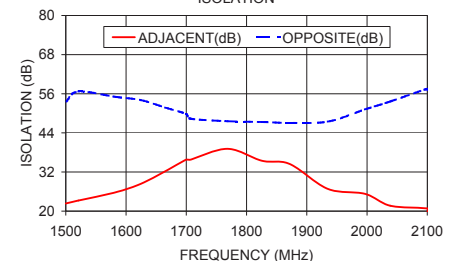
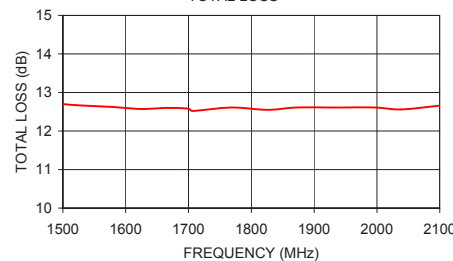
Electrical Specifications

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

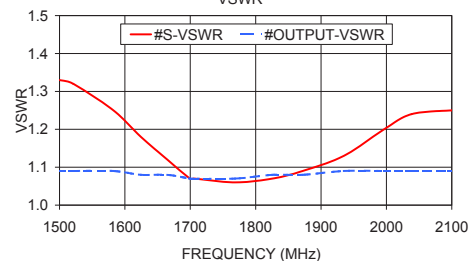
Typical Performance Data

Freq. (MHz)	Total Loss ¹ (dB)	Amplitude Unbalance (dB)	Isolation (dB)		VSWR S	VSWR 1
	S-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+	1. Total Loss = Insertion Loss +12dB splitter loss.
TOTAL LOSS	

ZC16PD-1900W+
ISOLATION

ZC16PD-1900W+
VSWR



electrical schematic



Notes

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/MCStore/terms_iso.



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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

REV. C
M151107
ZC16PD-1900W+
HY/TD/CP/AM
161222