

Coaxial

Power Splitter/Combiner

6 Way-0° 50Ω 1700 to 1900 MHz

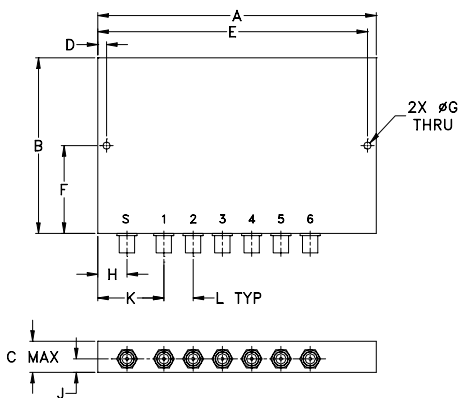
Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	0.875W max.
Permanent damage may occur if any of these limits are exceeded.	

Coaxial Connections

SUM PORT	S
PORT 1,2,3,4,5,6	1,2,3,4,5,6

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F
4.76	3.00	.53	.150	4.610	1.500
120.90	76.20	13.46	3.81	117.09	38.10
G	H	J	K	L	wt
.125	.50	.25	1.13	.50	grams
3.18	12.70	6.35	28.70	12.70	155

Features

- low insertion loss, 0.4 dB typ.
- high isolation, 30 dB typ.
- excellent VSWR, 1.1:1 typ.
- up to 10W power input as splitters
- rugged shielded case

Applications

- PCS/DCS
- communication systems
- instrumentation



CASE STYLE: AB185

Connectors	Model	Price	Qty.
SMA	ZC6PD-1900-S(+)	\$134.95	(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

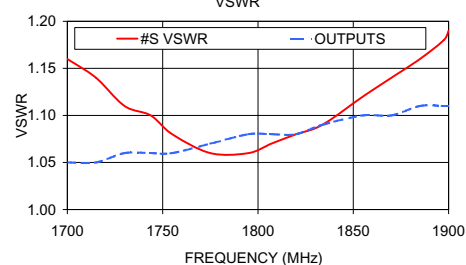
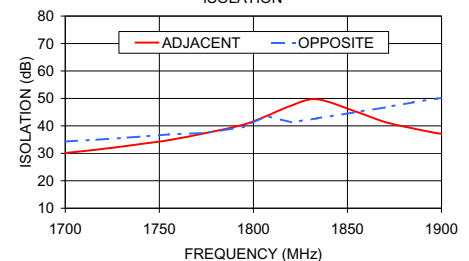
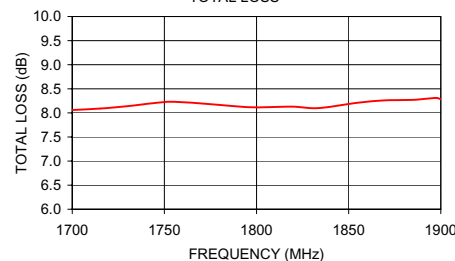
FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 7.8 dB		AMPLITUDE UNBALANCE (dB)	VSWR (:1)			
						S		OUT	
	f _L -f _U	Typ.	Min.	Typ.		Max.	Typ.	Max.	Typ.
1700-1900	30	20	0.4	0.8	0.5	1.1	1.4	1.1	1.5

Typical Performance Data

Frequency (MHz)	Total Loss ¹ (dB)	Amplitude Unbalance (dB)	Isolation (dB)		VSWR S	VSWR OUTPUTS
			Adjacent	Opposite		
1700.00	8.06	0.09	30.11	34.33	1.16	1.05
1715.00	8.09	0.08	31.20	34.89	1.14	1.05
1730.00	8.14	0.11	32.44	35.60	1.11	1.06
1743.75	8.20	0.10	33.74	36.24	1.10	1.06
1755.00	8.23	0.11	34.80	36.89	1.08	1.06
1775.00	8.18	0.10	37.43	37.43	1.06	1.07
1795.00	8.12	0.10	40.51	39.64	1.06	1.08
1807.00	8.12	0.13	43.58	43.58	1.07	1.08
1820.00	8.13	0.18	47.36	41.31	1.08	1.08
1833.75	8.10	0.19	49.71	42.74	1.09	1.09
1855.00	8.21	0.21	45.06	45.06	1.12	1.10
1870.00	8.26	0.19	41.39	46.72	1.14	1.10
1885.00	8.27	0.20	39.06	48.61	1.16	1.11
1897.50	8.31	0.21	37.34	49.94	1.18	1.11
1900.00	8.28	0.22	37.20	50.18	1.19	1.11

ZC6PD-1900
TOTAL LOSS

1. Total Loss = Insertion Loss + 7.8dB splitter loss.

ZC6PD-1900
ISOLATION

electrical schematic



Mini-Circuits®
ISO 9001 ISO 14001 AS 9100 CERTIFIED
IF/RF MICROWAVE COMPONENTS

For detailed performance specs & shopping online see web site

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Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet 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.

REV. B
M127604
ZC6PD-1900
HY/TD/CP/AM
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