

Coaxial

Power Splitter/Combiner

6 Way-0° 50Ω 1500 to 2000 MHz

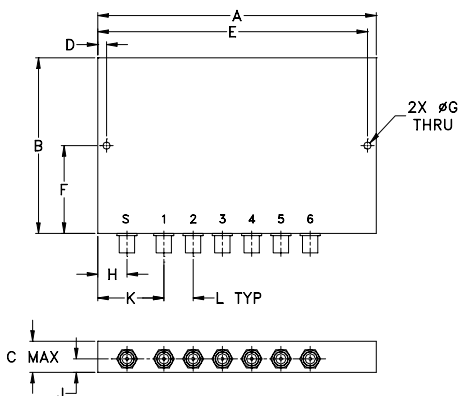
Maximum Ratings

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

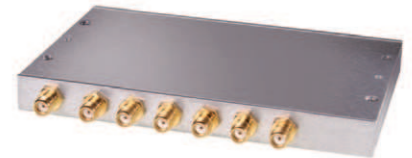
Features

- low insertion loss, 0.5 dB typ.
- high isolation, 30 dB typ.
- up to 10W power input as splitters
- rugged shielded case

Applications

- GPS
- PCS
- communication systems
- instrumentation

ZC6PD-1900W+ ZC6PD-1900W



CASE STYLE: AB185

Connectors	Model	Price	Qty.
SMA	ZC6PD-1900W-S(+)	\$129.95	(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

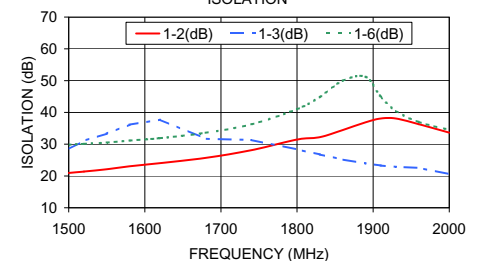
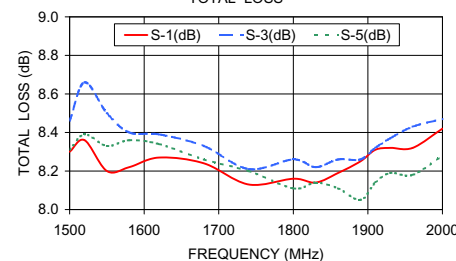
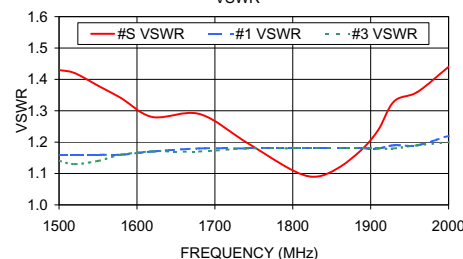
FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 7.8 dB		AMPLITUDE UNBALANCE (dB)	VSWR (:1)			
	Typ.	Min.	Typ.	Max.		S		OUT	
f_L - f_U					Max.	Typ.	Max.	Typ.	Max.
1500-2000	30	15	0.5	1.0	0.6	1.1	1.68	1.1	1.5

Typical Performance Data

Frequency (MHz)	Total Loss ¹ (dB)			Amplitude Unbalance (dB)	Isolation (dB)			VSWR S	VSWR 1	VSWR 3
	S-1	S-2	S-3		1-2	1-3	1-6			
1500.00	8.30	8.46	8.31	0.21	20.94	28.46	29.86	1.43	1.16	1.14
1520.00	8.36	8.66	8.39	0.35	21.38	31.08	30.12	1.42	1.16	1.13
1550.00	8.20	8.50	8.33	0.37	22.11	33.34	30.54	1.38	1.16	1.14
1580.00	8.22	8.40	8.36	0.36	23.06	36.14	31.15	1.34	1.16	1.16
1620.00	8.27	8.39	8.34	0.18	24.03	37.71	31.91	1.28	1.17	1.17
1680.00	8.24	8.33	8.26	0.11	25.71	31.69	33.60	1.29	1.18	1.17
1740.00	8.13	8.21	8.20	0.18	28.12	31.33	36.26	1.20	1.18	1.18
1800.00	8.16	8.26	8.11	0.17	31.45	28.35	41.05	1.11	1.18	1.18
1830.00	8.14	8.22	8.14	0.11	32.22	26.76	44.85	1.09	1.18	1.18
1860.00	8.19	8.26	8.11	0.17	34.45	25.19	50.00	1.12	1.18	1.18
1890.00	8.25	8.26	8.05	0.24	36.88	23.95	51.21	1.18	1.18	1.18
1910.00	8.31	8.32	8.14	0.23	38.07	23.29	44.96	1.24	1.18	1.18
1930.00	8.32	8.37	8.19	0.21	38.09	22.88	40.44	1.33	1.19	1.18
1960.00	8.32	8.43	8.18	0.30	36.29	22.57	36.99	1.36	1.19	1.19
2000.00	8.42	8.47	8.28	0.24	33.63	20.59	34.49	1.44	1.22	1.20

ZC6PD-1900W
TOTAL LOSS

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

ZC6PD-1900W
ISOLATIONZC6PD-1900W
VSWR

electrical schematic



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