

Coaxial

Power Splitter/Combiner

ZC6PD-1900W

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.

Coaxial Connections

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

Features

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

Applications

- GPS
- PCS
- communication systems
- instrumentation



CASE STYLE: AB185

Connectors	Model	Price	Qty.
SMA	ZC6PD-1900W-S	\$129.95	(1-9)

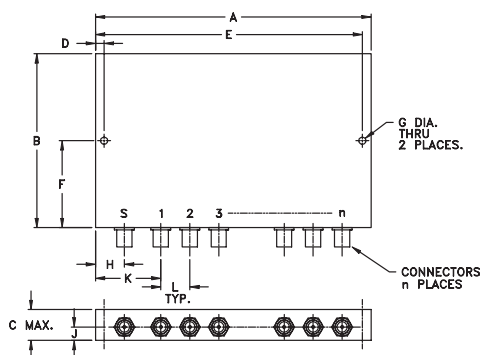
Splitter Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 7.8 dB		AMPLITUDE UNBALANCE (dB)	VSWR (:1)			
						S		OUT	
f_c - f_u	Typ.	Min.	Typ.	Max.	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

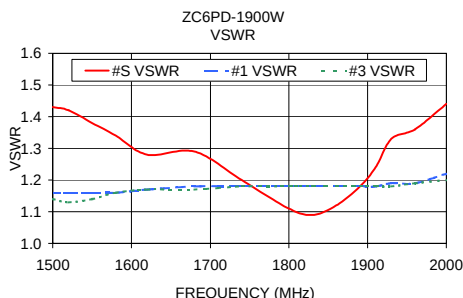
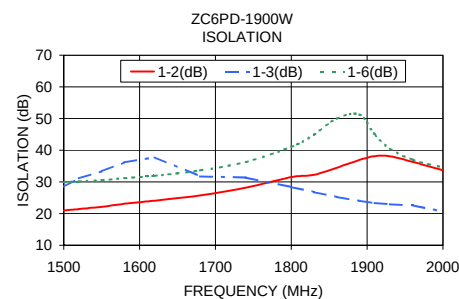
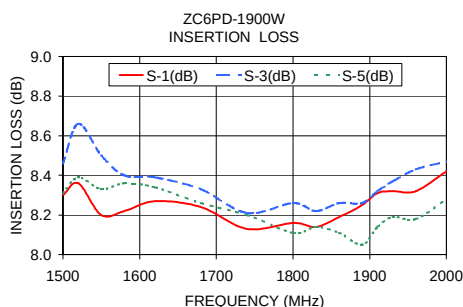
Frequency (MHz)	Insertion Loss (dB)			Amplitude Unbalance (dB)	Isolation (dB)			VSWR S	VSWR 1	VSWR 3
	S-1	S-2	S-3		1-2	1-3	1-6			
1500.00	8.30	8.46	8.31	0.21	20.94	28.46	29.86	1.43	1.16	1.14
1520.00	8.36	8.66	8.39	0.35	21.38	31.08	30.12	1.42	1.16	1.13
1550.00	8.20	8.50	8.33	0.37	22.11	33.34	30.542	1.38	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

Outline Drawing



Outline Dimensions (inch)

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	.500	grams
3.18	12.70	6.35	28.70	12.70	183



electrical schematic



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