Coaxial

Power Splitter/Combiner

6 Way-0° 50Ω 1700 to 1900 MHz

ZC6PD-1900+
ZC6PD-1900

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.

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

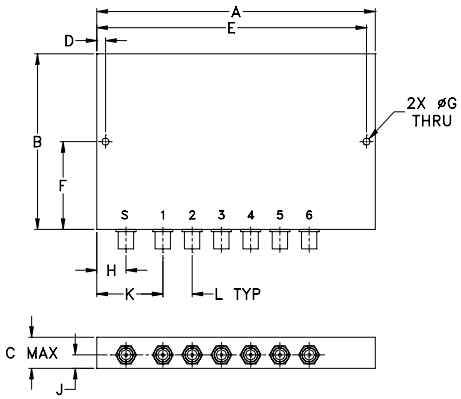
Features

- 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

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

Electrical Specifications

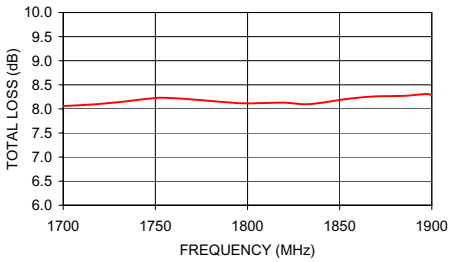
FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 7.8 dB		AMPLITUDE UNBALANCE (dB)	VSWR (:1)			
						S		OUT	
f_L-f_U	Typ.	Min.	Typ.	Max.	Max.	Typ.	Max.	Typ.	Max.
1700-1900	30	20	0.4	0.8	0.5	1.1	1.4	1.1	1.5

Typical Performance Data

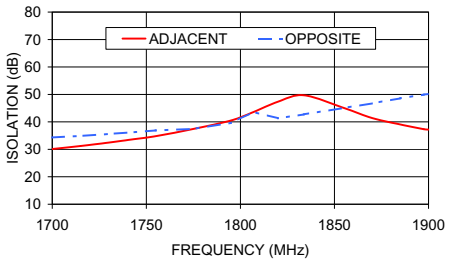
Frequency (MHz)	Total Loss[1] (dB)	Amplitude Unbalance (dB)	Isolation (dB)		VSWR S	VSWR OUTPUTS
			Adjacent	Opposite		
1700.00	8.06	0.09	30.11	34.33	1.16	1.05
1715.00	8.09	0.08	31.20	34.89	1.14	1.05
1730.00	8.14	0.11	32.44	35.60	1.11	1.06
1743.75	8.20	0.10	33.74	36.24	1.10	1.06
1755.00	8.23	0.11	34.80	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

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

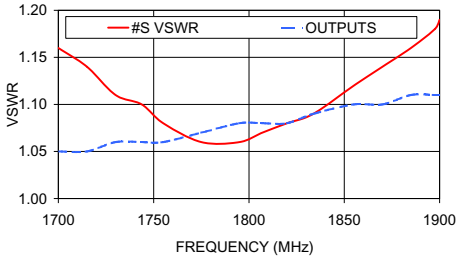
ZC6PD-1900
TOTAL LOSS



ZC6PD-1900
ISOLATION



ZC6PD-1900
VSWR



electrical schematic