

Coaxial

Power Splitter/Combiner

16 Way-0° 50Ω

1500 to 2100 MHz

ZC16PD-1900W

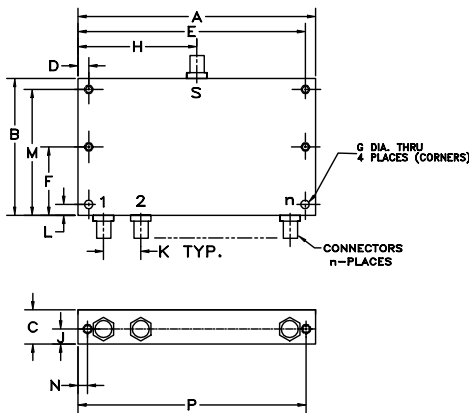
Maximum Ratings

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.

Coaxial Connections

SUM PORT	S
PORT 1,2,3.....,16	1,2,3.....,16

Outline Drawing



Outline Dimensions (inch)

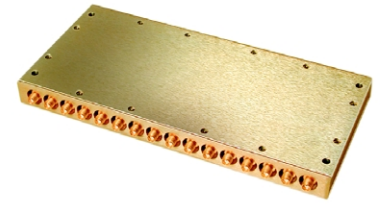
A	B	C	D	E	F	
8.50	3.95	.75	.250	8.250	—	
215.90	100.33	19.05	6.35	209.55	—	
G	H	J	K	L	M	wt
.187	4.250	.38	.500	.475	3.475	grams
4.75	107.95	9.65	12.70	12.07	88.27	710

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



CASE STYLE: UU179

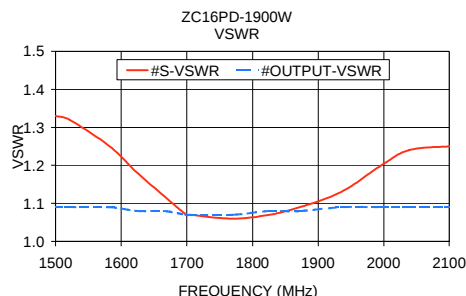
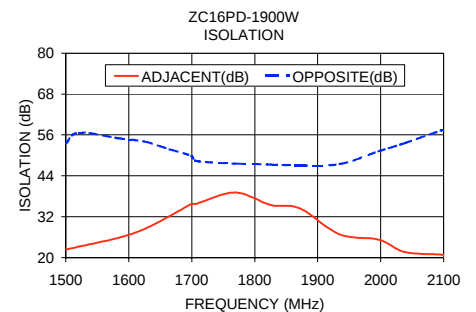
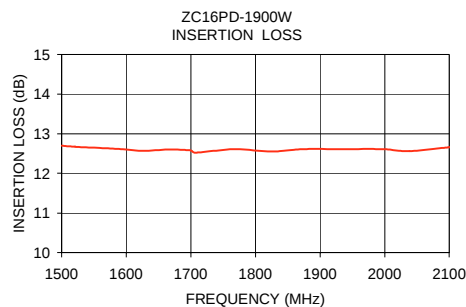
Connectors	Model	Price	Qty.
SMA	ZC16PD-1900W-S	\$319.00	(1-9)

Splitter Electrical Specifications

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

Typical Performance Data

Frequency (MHz)	Insertion Loss (dB) S-1	Amplitude Unbalance (dB)	Isolation (dB)		VSWR S	VSWR 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



electrical schematic



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