

Coaxial

NON-CATALOG

Power Splitter/Combiner

ZC16PD-1900

16 Way-0° 50Ω 1700 to 1900 MHz



HT-Series
Tight Spot
SMA Wrench
From \$24.95

Maximum Ratings

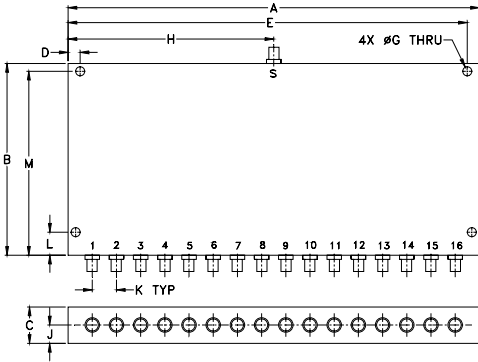
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	2.4W max.

Permanent damage may occur if any of these limits are exceeded.

Coaxial Connections

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

Outline Drawing



Outline Dimensions (inch/mm)

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

Features

- high isolation, 30 dB typ.
- low insertion loss, 0.5 dB typ.
- excellent VSWR, 1.1:1 typ.
- up to 10W power input as splitter
- rugged shielded case

Applications

- DCS
- communication systems

CASE STYLE: UU179

Connectors	Model
SMA	ZC16PD-1900-S

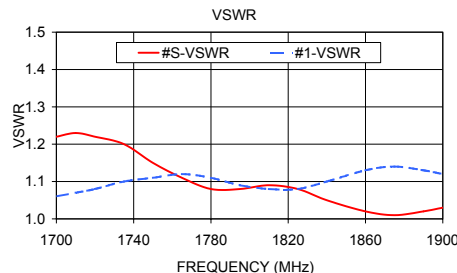
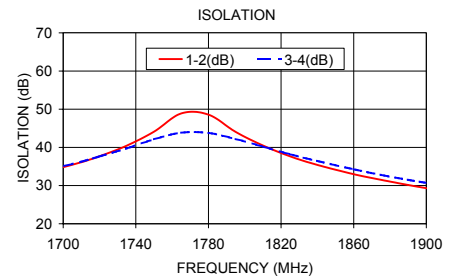
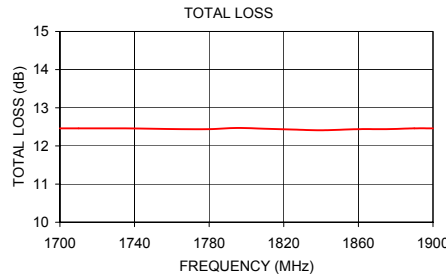
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 12 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	VSWR (:1)			
	Typ.	Min.	Typ.	Max.			S		OUT	
f_L - f_U					Max.	Max.	Typ.	Max.	Typ.	Max.
1700-1900	30	20	0.5	1.0	—	0.8	1.15	1.35	1.06	1.3

Typical Performance Data

Freq. (MHz)	Total Loss ¹ (dB)	Amplitude Unbalance (dB)	Isolation (dB)		Phase Unbalance (deg.)	VSWR S	VSWR 1
	S-1		1-2	3-4			
1700.00	12.46	0.20	34.83	35.07	7.74	1.22	1.06
1710.00	12.46	0.18	36.13	36.27	9.14	1.23	1.07
1720.00	12.46	0.22	37.67	37.62	9.21	1.22	1.08
1735.00	12.46	0.29	40.45	39.74	9.41	1.20	1.10
1750.00	12.45	0.17	44.13	42.13	9.53	1.15	1.11
1765.00	12.44	0.18	48.90	43.85	9.55	1.11	1.12
1780.00	12.44	0.22	48.59	43.79	9.22	1.08	1.11
1795.00	12.47	0.27	44.06	42.19	9.38	1.08	1.09
1810.00	12.45	0.28	40.49	40.20	9.36	1.09	1.08
1825.00	12.43	0.29	37.66	38.20	9.53	1.08	1.08
1840.00	12.41	0.27	35.42	36.43	9.48	1.05	1.10
1860.00	12.44	0.25	32.99	34.26	9.44	1.02	1.13
1875.00	12.44	0.27	31.51	32.80	9.75	1.01	1.14
1890.00	12.46	0.25	30.16	31.50	9.80	1.02	1.13
1900.00	12.46	0.24	29.31	30.69	9.73	1.03	1.12

1. Total Loss = Insertion Loss + 12dB splitter loss.



electrical schematic



Notes

- Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
- The parts covered by this specification document 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/WCLStore/terms.jsp

