Coaxial

Power Splitter/Combiner

ZC16PD-900

16 Way-0° 50Ω 800 to 900 MHz

CASE STYLE: UU179

Connectors	Model
SMA	ZC16PD-900-S

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

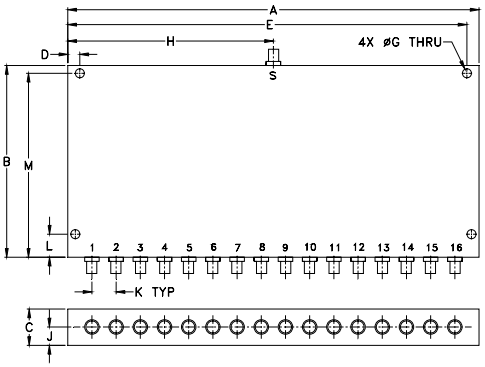
Features

- excellent VSWR, 1.1:1 typ.
- high isolation, 32 dB typ.
- low insertion loss, 0.5 dB typ.
- up to 10W power input as splitter
- rugged shielded case

Applications

- cellular
- UHF
- signal processing

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

Electrical Specifications

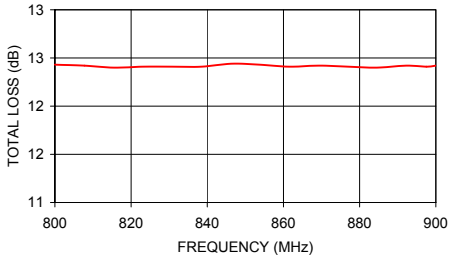
FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 12 dB		AMPLITUDE UNBALANCE (dB)	VSWR (:1)			
						S		OUT	
f_L-f_U	Typ.	Min.	Typ.	Max.	Max.	Typ.	Max.	Typ.	Max.
800-900	32	20	0.5	1.0	0.5	1.06	1.2	1.06	1.2

Typical Performance Data

Freq. (MHz)	Total Loss[1] (dB)	Amplitude Unbalance (dB)	Isolation (dB)		VSWR S	VSWR 1
	S-1		1-2	1-9		
800.00	12.43	0.20	31.27	64.26	1.08	1.07
807.75	12.42	0.20	31.75	58.34	1.07	1.07
815.50	12.40	0.21	32.12	54.41	1.06	1.06
823.00	12.41	0.21	32.38	52.04	1.05	1.05
830.75	12.41	0.19	32.54	49.87	1.05	1.05
838.50	12.41	0.19	32.58	48.45	1.04	1.04
846.25	12.44	0.21	32.57	46.96	1.03	1.04
853.75	12.43	0.20	32.41	46.07	1.03	1.03
861.50	12.41	0.21	32.14	44.92	1.02	1.03
869.25	12.42	0.21	31.78	44.07	1.01	1.02
877.00	12.41	0.20	31.33	43.18	1.01	1.02
884.50	12.40	0.21	30.88	42.47	1.01	1.01
892.25	12.42	0.21	30.37	41.75	1.01	1.01
897.50	12.41	0.25	29.98	41.34	1.02	1.01
900.00	12.42	0.24	29.77	41.20	1.02	1.01

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

ZC16PD-900
TOTAL LOSS



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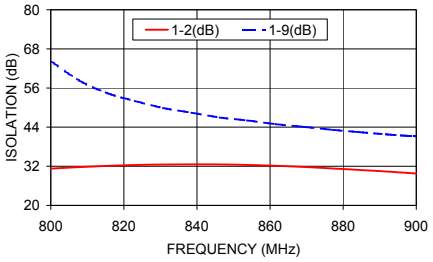
ISOLATION



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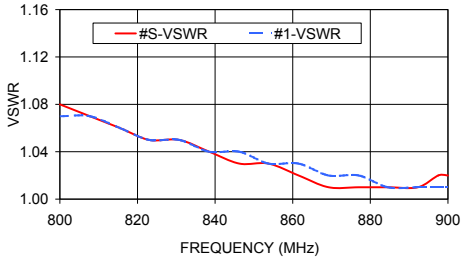
VSWR



electrical schematic

Notes

A. 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.
B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
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