

Coaxial

# Power Splitter/Combiner

## ZC16PD-23

16 Way-0° 50Ω 1500 to 2300 MHz

### Maximum Ratings

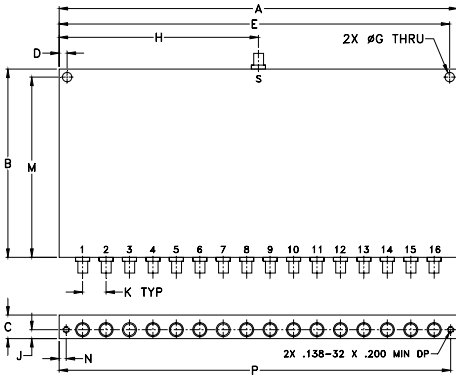
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	2W max.

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	G	H
8.50	4.00	.50	.170	8.330	.201	4.25
215.90	101.60	12.70	4.32	211.58	5.11	107.95
J	K	M	N	P	wt	
.19	.500	3.830	.150	8.350	grams	
4.83	12.70	97.28	3.81	212.09	450	

### Features

- wideband, 1500 to 2300 MHz
- high isolation, 32 dB typ.
- low insertion loss, 0.8 dB typ.
- excellent VSWR, 1.1:1 typ.
- rugged case shielded

### Applications

- PCS/DCS
- UMTS
- L-band satellite
- signal processing



CASE STYLE: UU640

Connectors	Model
SMA	ZC16PD-23-S

**+RoHS Compliant**

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

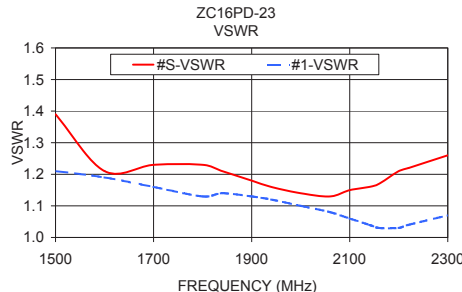
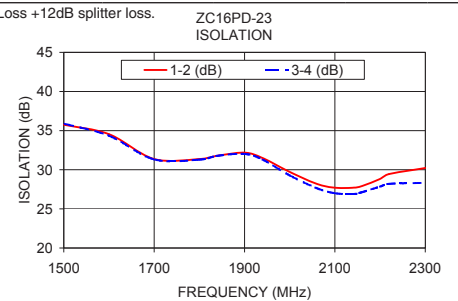
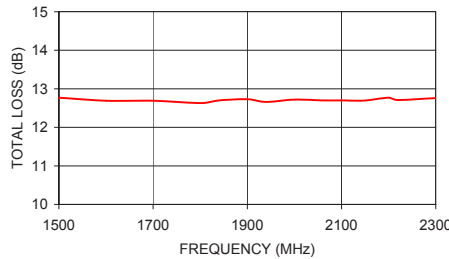
### Electrical Specifications

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.
1500-2300	32	20	0.8	1.4	11	0.6	1.15	1.6	1.10	1.4

### Typical Performance Data

Freq. (MHz)	Total Loss <sup>1</sup> (dB)	Amplitude Unbalance (dB)	Isolation (dB)		Phase Unbalance (deg.)	VSWR S	VSWR 1
			1-2	3-4			
			S-1				
1500.00	12.77	0.13	35.76	35.90	0.99	1.39	1.21
1600.00	12.69	0.08	34.54	34.34	1.17	1.21	1.19
1700.00	12.69	0.06	31.37	31.32	1.09	1.23	1.16
1800.00	12.63	0.08	31.37	31.29	1.38	1.23	1.13
1840.00	12.70	0.09	31.79	31.78	1.28	1.21	1.14
1900.00	12.73	0.09	32.18	32.02	1.34	1.18	1.13
1940.00	12.66	0.09	31.50	31.30	1.33	1.16	1.12
2000.00	12.72	0.11	29.72	29.28	1.41	1.14	1.10
2060.00	12.70	0.12	28.20	27.64	1.40	1.13	1.08
2100.00	12.70	0.14	27.70	27.00	1.37	1.15	1.06
2140.00	12.69	0.16	27.70	26.90	1.38	1.16	1.04
2160.00	12.71	0.16	27.91	27.13	1.38	1.17	1.03
2200.00	12.77	0.15	28.83	27.84	1.61	1.21	1.03
2220.00	12.71	0.15	29.45	28.20	1.59	1.22	1.04
2300.00	12.76	0.14	30.23	28.33	1.58	1.26	1.07

ZC16PD-23 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](http://www.minicircuits.com/WCLStore/terms.jsp)

