Coaxial

Power Splitter/Combiner

ZB16PD-13+

16 Way-0° 50Ω 500 to 1000 MHz

CASE STYLE: UU573

Connectors	Model	Price	Qty.
SMA	ZB16PD-13-S+	$269.95 ea.	(1-9)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix has been added in order to identify 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	2.6W max.

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

Coaxial Connections

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

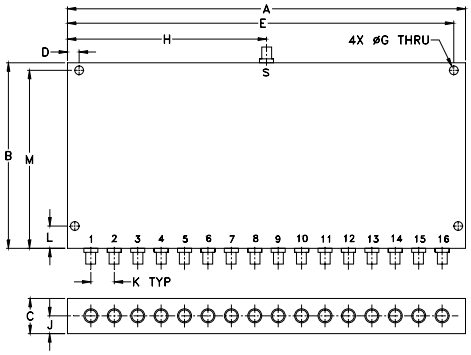
Features

- low insertion loss, 0.6 dB typ.
- excellent input and output VSWR, 1.1:1 typ.
- very high isolation, 30 typ.

Applications

- UHF TV/DTV
- GSM
- ISM
- WCDMA

Outline Drawing



Outline Dimensions (inch / mm)

A	B	C	D	E	F	G
11.00	4.00	.88	.250	10.75	--	.187
279.40	101.60	22.35	6.35	273.05	--	4.75

H	J	K	L	M	wt
5.50	.44	.66	.25	3.75	grams
139.70	11.18	16.76	6.35	95.25	1130

Electrical Specifications

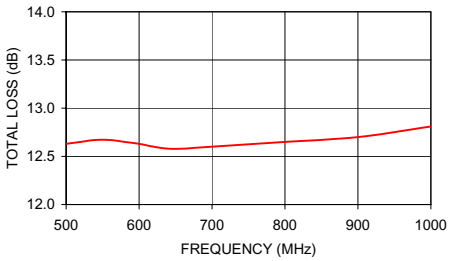
FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 12 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	VSWR (:1)			
							S		OUT	
f_L-f_U	Typ.	Min	Typ.	Max.	Max.	Max.	Typ.	Max.	Typ.	Max.
500-1000	30	20	0.6	1.4	6	0.6	1.1	1.6	1.1	1.4

Typical Performance Data

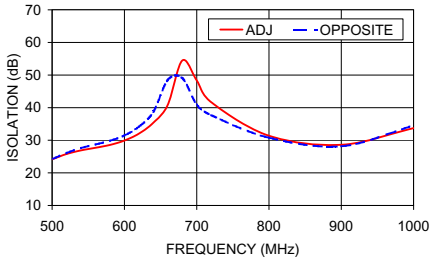
Frequency (MHz)	Total Loss[1] (dB)	Amplitude Unbalance (dB)	Isolation (dB)		Phase Unbalance (deg.)	VSWR S	VSWR 1
	S-1		Adjacent	Opposite			
500.00	12.63	0.08	24.15	24.19	1.31	1.40	1.03
520.00	12.65	0.08	25.78	26.11	1.35	1.42	1.03
540.00	12.67	0.08	26.91	27.61	1.39	1.43	1.03
560.00	12.67	0.08	27.69	28.71	1.43	1.42	1.03
580.00	12.65	0.08	28.56	29.83	1.46	1.37	1.03
600.00	12.63	0.08	29.90	31.49	1.48	1.29	1.03
620.00	12.60	0.08	32.04	34.16	1.53	1.20	1.04
640.00	12.58	0.07	35.38	38.69	1.58	1.12	1.04
660.00	12.58	0.07	40.90	48.49	1.61	1.05	1.04
680.00	12.59	0.07	54.44	49.04	1.65	1.02	1.04
700.00	12.60	0.06	48.35	40.92	1.69	1.05	1.05
720.00	12.61	0.06	41.68	37.70	1.76	1.06	1.05
800.00	12.65	0.06	31.38	30.79	1.96	1.06	1.06
900.00	12.70	0.09	28.61	28.16	2.21	1.13	1.03
1000.00	12.81	0.10	33.71	34.51	2.47	1.30	1.09

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

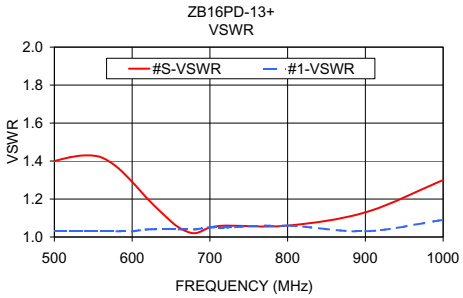
ZB16PD-13+
TOTAL LOSS



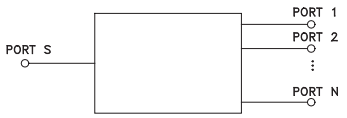
ZB16PD-13+
ISOLATION



ZB16PD-13+
VSWR



electrical schematic



Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. **2.** Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. **3.** The parts covered by this specification sheet 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/MCLStore/terms.jsp.

REV. A
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