

Coaxial

Power Splitter/Combiner

ZB16PD-13+

16 Way-0° 50Ω 500 to 1000 MHz



Maximum Ratings

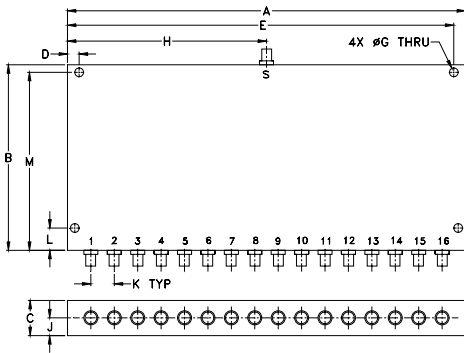
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	2.6W max.

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

Coaxial Connections

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

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	grams	1130

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

CASE STYLE: UU573

Connectors	Model
SMA	ZB16PD-13-S+

+RoHS Compliant

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

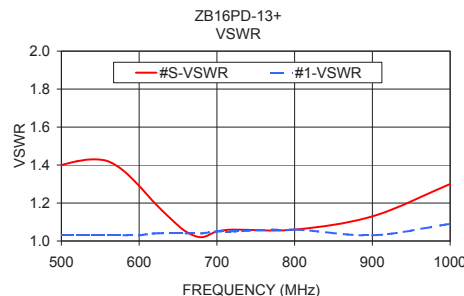
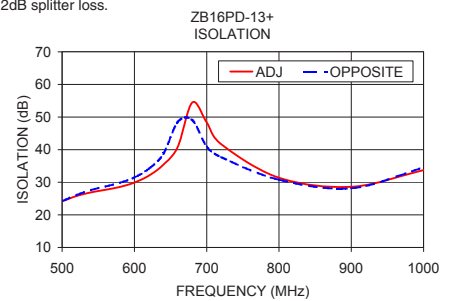
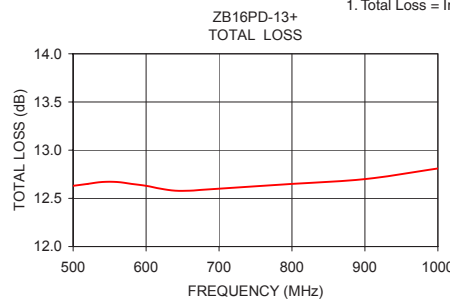
Electrical Specifications

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.
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
			Adjacent	Opposite			
			S-1				
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.



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

