

Coaxial

Power Splitter/Combiner

ZB16PD-72-S+
16 Way-0° 50Ω 400 to 700 MHz

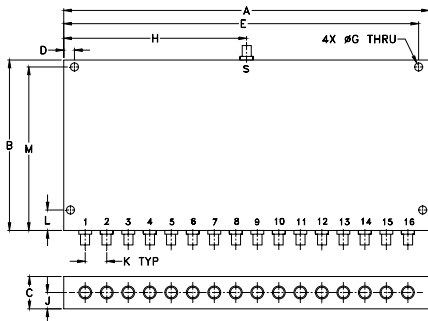
Maximum Ratings

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

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	1130	

Features

- low insertion loss, 0.7 dB typ.
- excellent input VSWR, 1.10:1 typ.
- excellent output VSWR, 1.05:1 typ.
- very high isolation, 30 dB typ.

Applications

- UHF TV/DTV
- CDMA
- GSM



CASE STYLE: UU573

Connectors	Model
SMA	ZB16PD-72-S+

+RoHS Compliant

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

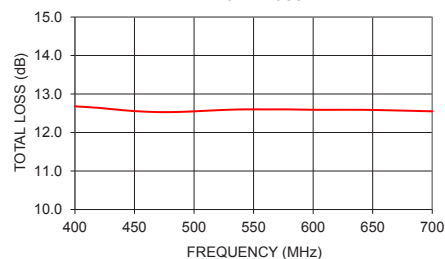
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 12 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	VSWR (:1)			
f_L - f_U	Typ.	Min.	Typ.	Max.	Max.	Max.	S		OUT	
							Typ.	Max.	Typ.	Max.
400-700	30	20	0.7	1.4	8	0.6	1.10	1.6	1.05	1.3

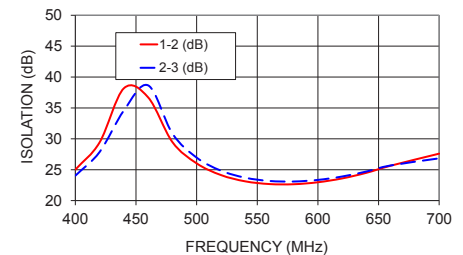
Typical Performance Data

Frequency (MHz)	Total Loss ¹ (dB)	Amplitude Unbalance (dB)	Isolation (dB)		Phase Unbalance (deg.)	VSWR S	VSWR OUT
	S-1		1-2	2-3			
400.00	12.68	0.42	25.02	24.04	2.57	1.48	1.08
420.00	12.64	0.23	29.43	27.87	2.65	1.42	1.09
440.00	12.58	0.13	38.18	34.59	2.86	1.33	1.09
460.00	12.54	0.17	36.71	38.65	2.93	1.22	1.09
480.00	12.53	0.29	29.48	30.86	2.98	1.12	1.08
500.00	12.55	0.35	26.03	26.96	3.84	1.06	1.06
520.00	12.58	0.35	24.14	24.85	5.03	1.06	1.06
540.00	12.60	0.26	23.12	23.71	6.03	1.09	1.06
560.00	12.60	0.20	22.68	23.18	6.44	1.12	1.07
580.00	12.60	0.18	22.65	23.09	6.43	1.14	1.08
600.00	12.59	0.24	22.97	23.35	5.92	1.14	1.10
620.00	12.59	0.29	23.59	23.90	5.19	1.13	1.11
640.00	12.59	0.34	24.50	24.71	4.74	1.11	1.12
660.00	12.58	0.38	25.65	25.69	4.55	1.10	1.13
700.00	12.55	0.45	27.60	26.84	4.97	1.20	1.13

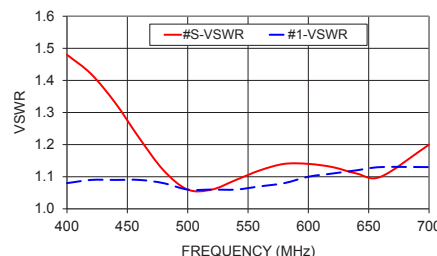
ZB16PD-72-S+ 1. Total Loss = Insertion Loss + 12dB splitter loss.
TOTAL LOSS



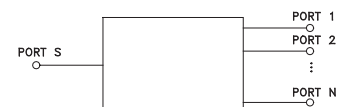
ZB16PD-72-S+ ISOLATION



ZB16PD-72-S+ 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.
 C. The parts covered by this specification document are subject to Mini-Circuit's 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-Circuit's website at www.minicircuits.com/MCLStore/terms.jsp



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