

Coaxial

Power Splitter/Combiner

ZN2PD-20+

2 Way-0° 50Ω 750 to 2000 MHz



Maximum Ratings

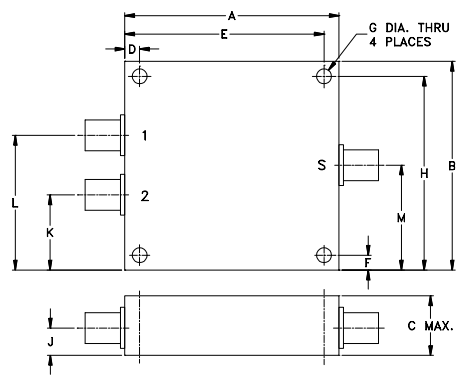
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	5W max.
Internal Dissipation	0.725W max.

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

Coaxial Connections

SUM PORT	S
PORT 1	1
PORT 2	2

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	
1.80	1.75	.66	.125	1.675	.125	.125	
45.72	44.45	16.76	3.18	42.55	3.18	3.18	
H	J	K	L	M			wt
1.625	.31	.63	1.13	.88			grams
41.28	7.87	16.00	28.70	22.35			34

Features

- wideband, 750 to 2000 MHz
- low insertion loss, 0.2 dB typ.
- good isolation, 23 dB typ.
- very good input VSWR, 1.18:1 typ.
- excellent output VSWR, 1.07:1 typ.
- up to 5W power input

Applications

- VSAT
- communications systems
- instrumentations

CASE STYLE: VVV180

Connectors	Model	Price	Qty.
SMA	ZN2PD-20-S+	\$67.95	(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.

Electrical Specifications

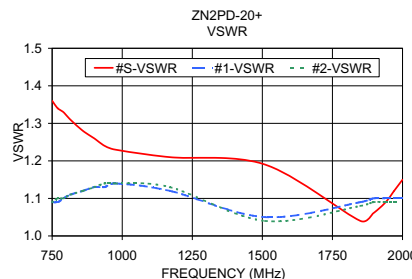
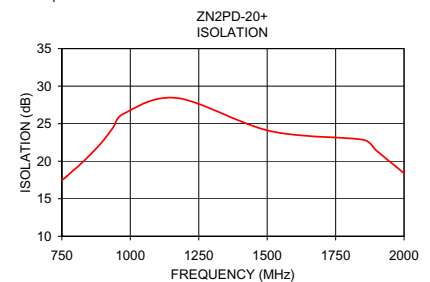
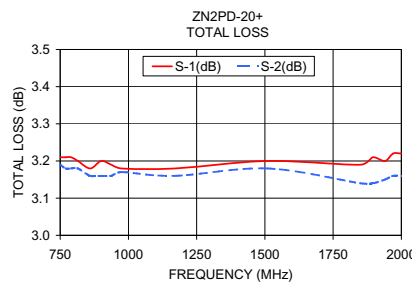
FREQ. RANGE (MHz)	ISOLATION (dB)			INSERTION LOSS (dB) ABOVE 3.0 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	VSWR (:1)						
	L	M	U	Typ.	Max.			S	OUT					
f _L -f _U	Typ.	Min.	Typ.	Min.	Typ.	Min.	Max.	Typ.	Max.					
750-2000	18	15	25	20	18	15	0.2	0.5	4	0.3	1.16	1.5	1.10	1.35

L = 750-875 MHz M = 875-1850 MHz U = 1850-2000 MHz

Typical Performance Data

Frequency (MHz)	Total Loss ¹ (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
750.0	3.21	3.19	0.02	17.43	0.23	1.36	1.09	1.09
770.0	3.21	3.18	0.03	18.06	0.30	1.34	1.09	1.10
790.0	3.21	3.18	0.03	18.72	0.29	1.33	1.10	1.10
815.0	3.20	3.18	0.02	19.50	0.31	1.31	1.11	1.11
860.0	3.18	3.16	0.02	21.11	0.36	1.28	1.12	1.12
900.0	3.20	3.16	0.04	22.69	0.39	1.26	1.13	1.13
937.5	3.19	3.16	0.02	24.50	0.45	1.24	1.13	1.14
975.0	3.18	3.17	0.01	26.32	0.40	1.23	1.14	1.14
1170.0	3.18	3.16	0.02	28.42	0.42	1.21	1.12	1.13
1510.0	3.20	3.18	0.02	24.03	0.57	1.19	1.05	1.04
1850.0	3.19	3.14	0.05	22.86	0.51	1.04	1.09	1.08
1895.0	3.21	3.14	0.06	21.54	0.53	1.06	1.10	1.09
1940.0	3.20	3.15	0.06	20.18	0.51	1.09	1.10	1.09
1970.0	3.22	3.16	0.06	19.30	0.54	1.12	1.10	1.09
2000.0	3.22	3.16	0.06	18.38	0.54	1.15	1.10	1.09

1. Total Loss = Insertion Loss + 3dB splitter loss.



electrical schematic



For detailed performance specs & shopping online see web site

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine [minicircuits.com](http://www.minicircuits.com) Provides ACTUAL Data Instantly at [minicircuits.com](http://www.minicircuits.com)

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. F
M127604
ZN2PD-20+
LC/TD/CP/AM
100615