DC Pass

Power Splitter/Combiner

ZN2PD-20-S+

2 Way-0° 50Ω 750 to 2000 MHz

Generic photo used for illustration purposes only

CASE STYLE: VVV180

Connectors	Model
SMA	ZN2PD-20-S+

+RoHS Compliant

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

Maximum Ratings

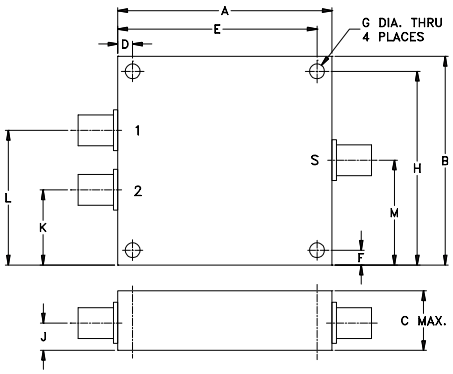
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	5W max.
Internal Dissipation	0.725W max.
DC Current	800 mA (400mA for each port)

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	65.2

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

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						S		OUT	
f_L-f_U	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Max.	Max.	Typ.	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

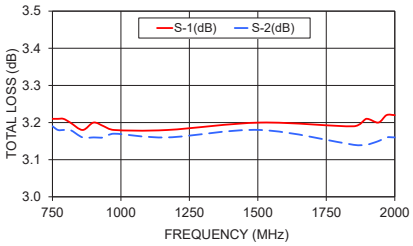
L = 750-875 MHz M = 875-1850 MHz U = 1850-2000 MHz

Typical Performance Data

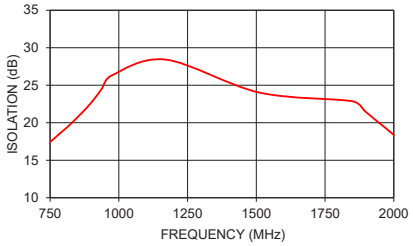
Frequency (MHz)	Total Loss[1] (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
750.0	3.21	3.19	0.02	17.43	0.23	1.36	1.09	1.09
770.0	3.21	3.18	0.03	18.06	0.30	1.34	1.09	1.10
790.0	3.21	3.18	0.03	18.72	0.29	1.33	1.10	1.10
815.0	3.20	3.18	0.02	19.50	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.

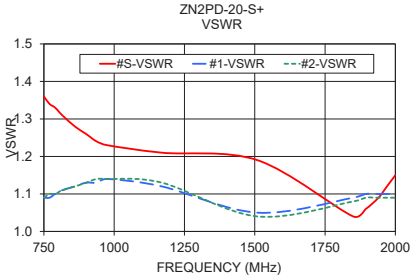
ZN2PD-20-S+
TOTAL LOSS



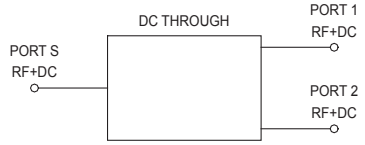
ZN2PD-20-S+
ISOLATION



ZN2PD-20-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-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. J
M171494
ZN2PD-20-S+
LC/TD/CP/AM
190111

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- View ZN2PD-20-S+ on WIN SOURCE
- Mini-Circuits Information

Optimize Your Supply Chain with WIN SOURCE Solutions

- Global Sourcing Solution
- Obsolete Management
- Cost Control Management
- Shortage Management
- Alternative Solution
- Excess Inventory Management