

Coaxial

# Power Splitter/Combiner

ZN2PD-20

2 Way-0° 50Ω 750 to 2000 MHz

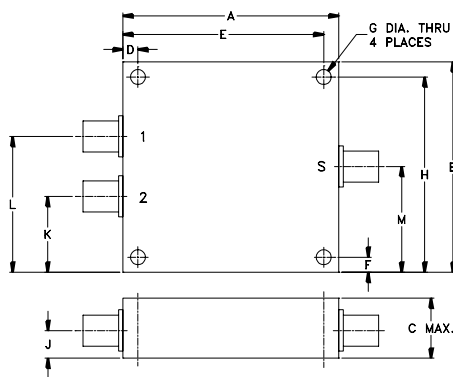
## Maximum Ratings

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.

## Coaxial Connections

SUMPORT	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)

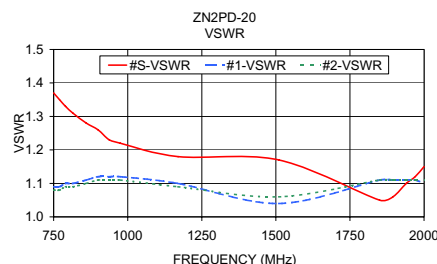
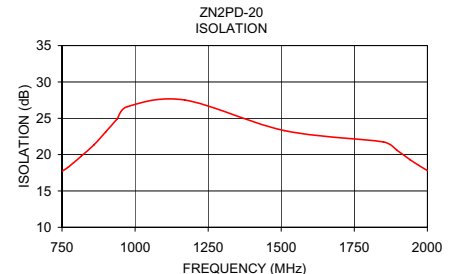
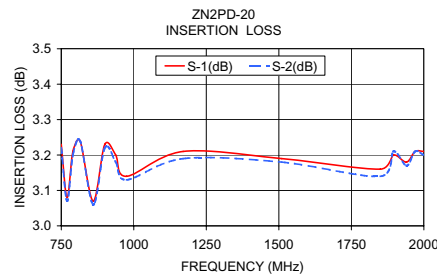
## Splitter Electrical Specifications

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.			Max.	Max.	S		OUT	
	Typ.	Min.	Typ.	Min.	Typ.	Min.							Typ.	Max.	Typ.	Max.
f <sub>L</sub> -f <sub>U</sub>	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)	Insertion Loss (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
750.00	3.23	3.22	0.01	17.70	0.01	1.37	1.09	1.08
770.00	3.08	3.07	0.01	18.24	0.08	1.35	1.09	1.08
790.00	3.21	3.20	0.01	18.90	0.12	1.33	1.10	1.09
815.00	3.24	3.24	0.00	19.76	0.14	1.31	1.10	1.09
860.00	3.07	3.06	0.01	21.37	0.02	1.28	1.11	1.10
900.00	3.23	3.22	0.01	23.15	0.02	1.26	1.12	1.11
937.50	3.20	3.18	0.02	24.86	0.04	1.23	1.12	1.11
975.00	3.14	3.13	0.01	26.62	0.09	1.22	1.12	1.11
1170.00	3.21	3.19	0.02	27.51	0.05	1.18	1.10	1.09
1510.00	3.19	3.18	0.01	23.31	0.20	1.17	1.04	1.06
1850.00	3.16	3.14	0.02	21.74	0.20	1.05	1.11	1.11
1895.00	3.20	3.21	0.01	20.63	0.25	1.06	1.11	1.11
1940.00	3.18	3.17	0.01	19.32	0.23	1.10	1.11	1.11
1970.00	3.21	3.21	0.00	18.54	0.20	1.12	1.11	1.11
2000.00	3.21	3.20	0.01	17.80	0.24	1.15	1.10	1.11



## electrical schematic



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