

Power Splitter/Combiner

ZN2PD-63+

2 Way-0° 50Ω 1800 to 6000 MHz

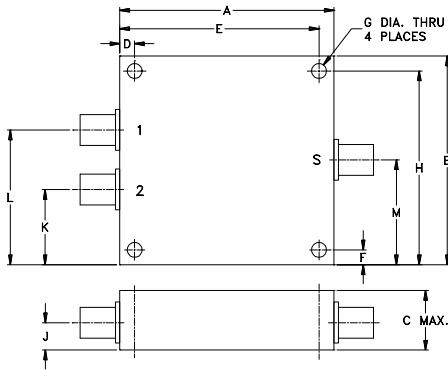
Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	0.25W max.
DC Current	700 mA (350mA for each port)
Permanent damage may occur if any of these limits are exceeded.	

Coaxial Connections

SUMPORT	S
PORT 1	1
PORT 2	2

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	J	K	L	M	wt
1.80	1.75	.66	.125	1.675	.125	.125	1.625	.31	.63	1.13	.88	grams
45.72	44.45	16.76	3.18	42.55	3.18	3.18	41.28	7.87	16.00	28.70	22.35	65.2

Features

- wide frequency band, 1800-6000 MHz
- high isolation, 19 dB min.
- very good VSWR, 1.22:1 typ.

Applications

- PCS
- WIMAX
- satellite up & down links
- line of sight links



CASE STYLE: VVV180

Connectors	Model
SMA	ZN2PD-63-S+

+RoHS Compliant

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

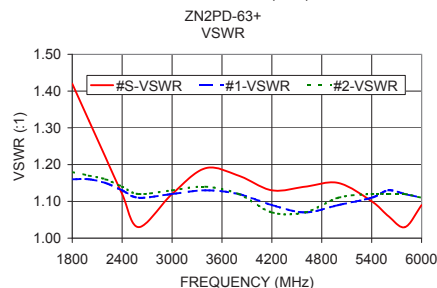
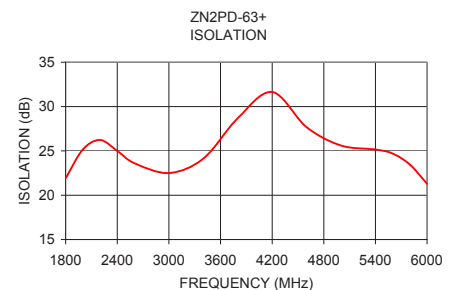
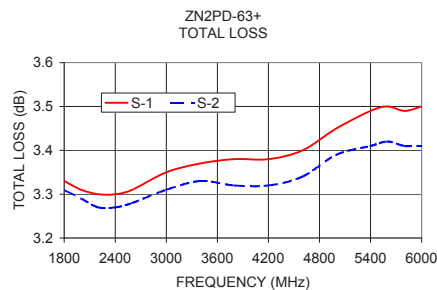
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 3.0 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.	Typ.	Max.	Typ.	Max.	Typ.	Max.
1800-6000	24	19	0.4	0.7	4	0.3	1.22	1.55	1.18	1.30

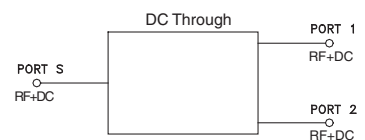
Typical Performance Data

Frequency (MHz)	Total Loss ¹ (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
1800.00	3.33	3.31	0.02	21.91	0.54	1.42	1.16	1.18
2000.00	3.31	3.29	0.02	25.15	0.61	1.32	1.16	1.17
2200.00	3.30	3.27	0.03	26.23	0.66	1.22	1.15	1.16
2400.00	3.30	3.27	0.03	25.00	0.72	1.12	1.13	1.14
2600.00	3.31	3.28	0.03	23.60	0.80	1.03	1.11	1.12
3000.00	3.35	3.31	0.04	22.50	0.96	1.12	1.12	1.13
3400.00	3.37	3.33	0.04	24.13	1.01	1.19	1.13	1.14
3800.00	3.38	3.32	0.05	28.69	1.11	1.17	1.12	1.12
4200.00	3.38	3.32	0.06	31.64	1.20	1.13	1.09	1.07
4600.00	3.40	3.34	0.06	27.68	1.27	1.14	1.07	1.07
5000.00	3.45	3.39	0.07	25.60	1.34	1.15	1.09	1.11
5400.00	3.49	3.41	0.08	25.15	1.45	1.10	1.11	1.12
5600.00	3.50	3.42	0.08	24.70	1.47	1.06	1.13	1.12
5800.00	3.49	3.41	0.08	23.45	1.54	1.03	1.12	1.12
6000.00	3.50	3.41	0.09	21.28	1.62	1.09	1.11	1.11

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



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.
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