

DC Pass

Power Splitter/Combiner

ZN2PD-63-S+

2 Way-0° 50Ω 1800 to 6000 MHz



Generic photo used for illustration purposes only

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

Maximum Ratings

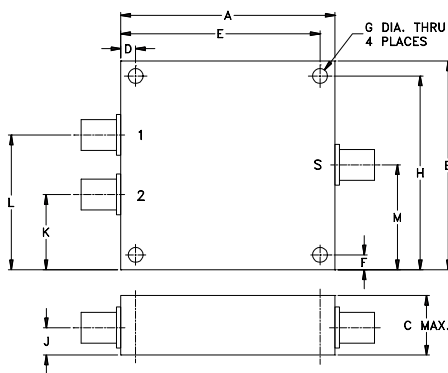
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	0.25W max.
DC Current	700 mA (350mA for each port)

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
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

- 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

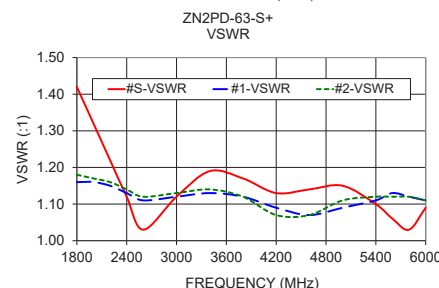
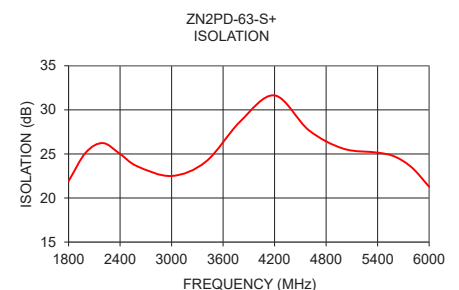
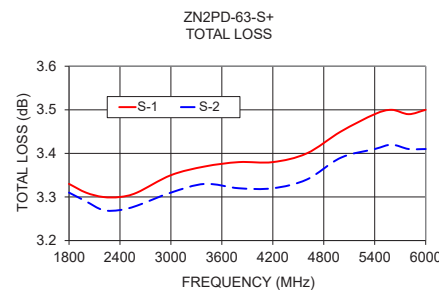
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 3.0 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	VSWR (:1)			
	Typ.	Min.	Typ.	Max.	Max.	Max.	S		OUT	
f_L - f_U							Typ.	Max.	Typ.	Max.
1800-6000	24	19	0.4	0.7	4	0.3	1.22	1.55	1.18	1.30

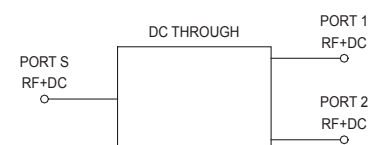
Typical Performance Data

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

- 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.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
- 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

