

Power Splitter/Combiner

ZN4PD1-63+

4 Way-0° 50Ω 2000 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	1W max.

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

Coaxial Connections

SUM PORT	3
PORT 1	1
PORT 2	2
PORT 3	4
PORT 4	5

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G
3.50	4.50	.65	.125	3.375	--	.125
88.90	114.30	16.51	3.18	85.73	--	3.18
H	J	K	L	M		wt
--	.33	.50	.400	4.100		grams
--	8.38	12.70	10.16	104.14		288

Features

- wide frequency band, 2000 to 6000 MHz
- low insertion loss, 0.7 dB typ.
- low amplitude unbalance 0.1 dB typ.
- low phase unbalance 1.0 deg. typ.

Applications

- high band PCS
- UNII
- ISM 802.11A



CASE STYLE: UU846

Connectors	Model	Price	Qty.
SMA	ZN4PD1-63-S+	\$89.95	(1-9)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

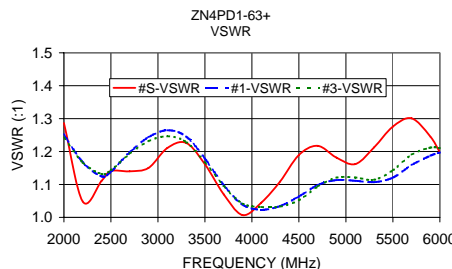
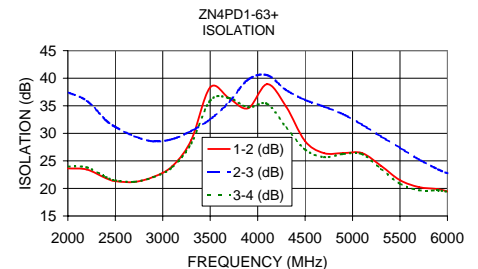
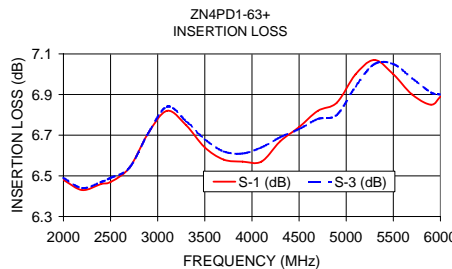
The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 6.0 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	VSWR (:1)	
	Typ.	Min.	Typ.	Max.			S	OUT
f_L - f_U					Max.	Max.	Typ.	Typ.
2000-6000	26	17	0.7	1.3	5	0.4	1.20	1.15

Typical Performance Data

Freq. (MHz)	Insertion Loss (dB)				Amp. Unbal. (dB)	Isolation (dB)			Phase Unbal. (deg.)	VSWR S	VSWR 1	VSWR 2	VSWR 3	VSWR 4
	S-1	S-2	S-3	S-4		1-2	2-3	3-4						
2000.00	6.48	6.48	6.49	6.45	0.03	23.63	37.44	23.98	0.64	1.29	1.25	1.25	1.24	1.25
2200.00	6.43	6.43	6.44	6.39	0.05	23.43	35.91	23.81	0.59	1.05	1.17	1.18	1.17	1.16
2400.00	6.46	6.46	6.47	6.42	0.05	21.86	32.38	22.07	0.66	1.11	1.12	1.14	1.13	1.12
2700.00	6.54	6.53	6.54	6.48	0.06	21.17	29.48	21.21	0.71	1.14	1.20	1.21	1.19	1.18
2900.00	6.71	6.70	6.71	6.65	0.06	22.08	28.54	22.04	0.70	1.15	1.24	1.24	1.23	1.21
3300.00	6.75	6.75	6.77	6.68	0.08	28.77	30.43	28.16	1.10	1.23	1.25	1.23	1.23	1.20
3700.00	6.58	6.62	6.62	6.52	0.10	36.35	35.69	36.41	1.66	1.07	1.10	1.10	1.09	1.09
4100.00	6.57	6.62	6.64	6.52	0.12	38.92	40.56	35.34	1.54	1.04	1.02	1.01	1.03	1.04
4500.00	6.74	6.72	6.73	6.67	0.07	28.57	36.06	27.06	1.34	1.19	1.06	1.06	1.05	1.09
4900.00	6.86	6.80	6.80	6.78	0.09	26.41	33.47	26.23	1.71	1.18	1.11	1.13	1.12	1.12
5300.00	7.07	7.04	7.05	6.96	0.11	24.11	29.43	23.55	1.54	1.21	1.11	1.11	1.11	1.08
5500.00	7.00	7.05	7.05	6.88	0.17	21.50	27.37	20.85	1.58	1.28	1.12	1.12	1.14	1.09
5700.00	6.90	6.98	6.98	6.76	0.21	20.24	25.26	19.67	1.68	1.30	1.16	1.16	1.19	1.13
5900.00	6.85	6.91	6.91	6.72	0.19	19.87	23.47	19.64	1.36	1.25	1.19	1.17	1.21	1.18
6000.00	6.89	6.92	6.90	6.74	0.18	19.46	22.75	19.42	1.20	1.20	1.20	1.17	1.21	1.20



electrical schematic

