

Coaxial Power Splitter/Combiner

ZA4PD-4+ ZA4PD-4

4 Way-0° 50Ω 2000 to 4200 MHz

Maximum Ratings

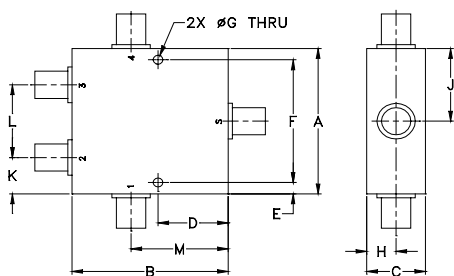
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	0.375W max.

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

Coaxial Connections

SUM PORT	S
PORT 1	1
PORT 2	2
PORT 3	3
PORT 4	4

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	
2.00	2.00	.75	.90	.156	1.688	.125	
50.80	50.80	19.05	22.86	3.96	42.88	3.18	
H	J	K	L	M		wt	
.38	1.00	.50	1.00	1.25		grams	
9.65	25.40	12.70	25.40	31.75		150.00	

Features

- wideband, 2000 to 4200 MHz
- good isolation, 25 dB typ.
- up to 10W power input as splitter

Applications

- MMDS
- wireless communication



N-Type version shown
CASE STYLE: DD52

Connectors	Model	Price	Qty.
SMA	ZA4PD-4-S(+)	\$89.95	(1-9)
N-TYPE	ZA4PD-4-N(+)	\$89.95	(1-9)

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

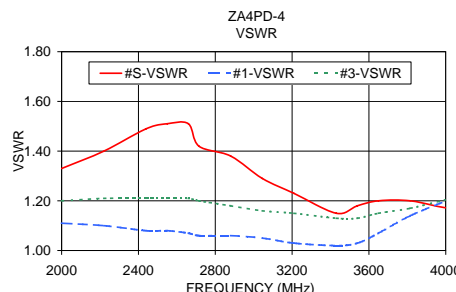
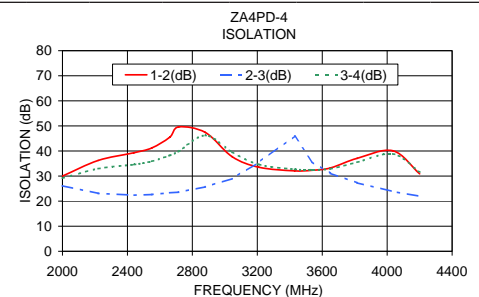
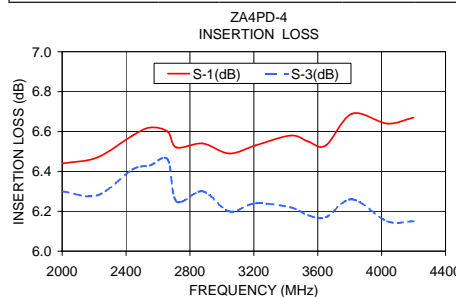
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 6.0 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)
	Typ.	Min.	Typ.	Max.	Max.	Max.
2000-4200	25	16	0.5	1.0	16	0.8

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	6.44	6.28	6.30	6.44	0.16	29.99	26.13	29.17	1.49	1.33	1.11	1.20	1.20	1.10
2220.00	6.47	6.24	6.28	6.48	0.24	36.22	23.10	32.98	1.58	1.40	1.10	1.21	1.21	1.10
2440.00	6.58	6.37	6.41	6.59	0.22	39.29	22.41	34.60	1.59	1.49	1.08	1.23	1.21	1.10
2550.00	6.62	6.40	6.43	6.63	0.23	41.23	22.65	35.90	2.05	1.51	1.08	1.24	1.21	1.09
2660.00	6.60	6.44	6.46	6.61	0.17	45.46	23.35	38.23	1.96	1.51	1.07	1.23	1.21	1.09
2715.00	6.52	6.21	6.25	6.53	0.32	49.59	23.57	39.84	1.65	1.42	1.06	1.23	1.20	1.09
2880.00	6.54	6.26	6.30	6.55	0.29	47.42	25.73	46.22	1.96	1.38	1.06	1.21	1.18	1.08
3045.00	6.49	6.16	6.20	6.50	0.34	37.74	28.98	39.58	2.02	1.29	1.05	1.19	1.16	1.08
3210.00	6.53	6.19	6.24	6.54	0.35	33.51	35.51	34.63	2.21	1.23	1.03	1.18	1.15	1.06
3430.00	6.58	6.21	6.22	6.55	0.38	32.07	45.95	32.73	2.11	1.15	1.02	1.17	1.13	1.03
3540.00	6.55	6.14	6.18	6.55	0.42	32.32	35.52	32.51	2.49	1.18	1.03	1.17	1.13	1.00
3650.00	6.53	6.12	6.17	6.54	0.42	33.22	31.12	32.91	2.64	1.20	1.07	1.18	1.15	1.04
3815.00	6.69	6.22	6.26	6.67	0.47	37.05	27.33	35.53	2.77	1.20	1.14	1.20	1.17	1.10
4035.00	6.64	6.12	6.15	6.65	0.53	40.08	23.88	38.84	3.02	1.17	1.21	1.23	1.21	1.17
4200.00	6.67	6.10	6.15	6.68	0.58	30.89	21.99	31.59	3.20	1.20	1.26	1.24	1.23	1.24



electrical schematic



For detailed performance specs & shopping online see web site

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