

Coaxial

Power Splitter/Combiner

4 Way-0° 50Ω 1000 to 2000 MHz

ZA4PD-2+
ZA4PD-2

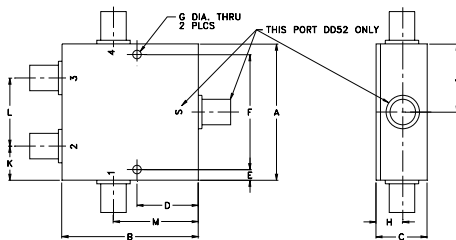

Maximum Ratings

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.

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	225.00

Features

- wideband, 1000 to 2000 MHz
- good isolation, 25 dB typ.
- up to 10W power input as splitter
- good VSWR, 1.20:1 typ.

Applications

- GPS
- communication systems

 SMA version shown
 CASE STYLE: DD52

Connectors	Model	Price	Qty.
SMA	ZA4PD-2-S(+)	\$89.95	(1-9)
N-TYPE	ZA4PD-2-N(+)	\$89.95	(1-9)

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

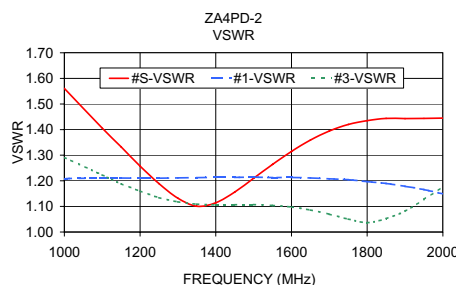
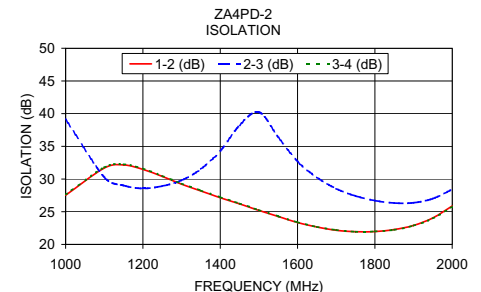
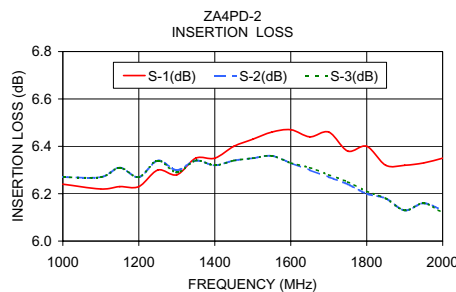
The +Suffix identifies RoHS Compliance. See our web site
for RoHS Compliance methodologies and qualifications.

Splitter Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 6.0 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)
f_L - f_U	Typ.	Min	Typ.	Max.	Max.	Max.
1000-2000	25	16	0.3	1.0	6	0.7

Typical Performance Data

Freq. (MHz)	Insertion Loss (dB)				Amp. Unbal. (dB)	Isolation (dB)			Phase Unbal. (deg.)	VSWR				
	S-1	S-2	S-3	S-4		1-2	2-3	3-4		S	1	2	3	4
1000	6.24	6.27	6.27	6.25	0.03	27.53	39.12	27.62	1.90	1.56	1.21	1.29	1.29	1.20
1100	6.22	6.27	6.27	6.22	0.05	31.69	30.28	31.80	1.94	1.41	1.21	1.22	1.22	1.20
1150	6.23	6.31	6.31	6.22	0.09	32.16	29.02	32.26	1.75	1.33	1.21	1.19	1.19	1.20
1200	6.23	6.27	6.27	6.23	0.04	31.48	28.57	31.60	1.87	1.26	1.21	1.16	1.16	1.20
1300	6.28	6.30	6.29	6.27	0.03	29.21	29.81	29.31	1.80	1.13	1.21	1.12	1.12	1.20
1400	6.35	6.32	6.32	6.35	0.03	27.14	34.29	27.23	1.85	1.11	1.21	1.11	1.11	1.21
1450	6.40	6.34	6.34	6.40	0.06	26.20	38.20	26.28	1.94	1.16	1.21	1.11	1.11	1.21
1500	6.43	6.35	6.35	6.44	0.09	25.20	40.24	25.27	1.97	1.21	1.21	1.11	1.11	1.21
1600	6.47	6.33	6.33	6.47	0.14	23.35	32.69	23.40	2.24	1.31	1.21	1.10	1.10	1.21
1700	6.46	6.27	6.28	6.46	0.19	22.16	28.53	22.21	2.63	1.39	1.21	1.06	1.07	1.21
1750	6.38	6.24	6.25	6.38	0.14	21.95	27.42	21.95	3.03	1.42	1.20	1.05	1.05	1.21
1800	6.40	6.20	6.21	6.40	0.20	21.97	26.70	22.00	3.00	1.44	1.20	1.03	1.04	1.21
1900	6.32	6.13	6.13	6.31	0.19	22.90	26.38	22.87	3.10	1.44	1.18	1.09	1.08	1.19
1950	6.33	6.16	6.16	6.32	0.17	24.05	27.01	23.98	3.27	1.44	1.17	1.14	1.13	1.18
2000	6.35	6.13	6.12	6.32	0.23	25.87	28.42	25.77	3.05	1.44	1.15	1.19	1.18	1.16



electrical schematic



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