DC Pass

Power Splitter/Combiner

ZA4PD-2+

4 Way-0° 50Ω 1000 to 2000 MHz



Generic photo used for illustration purposes only

CASE STYLE: DD52

Connectors	Model
SMA	ZA4PD-2-S+
N-TYPE	ZA4PD-2-N+

+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	0.375W max.
DC Current	1.2 A (300mA for each port)

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

Features

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

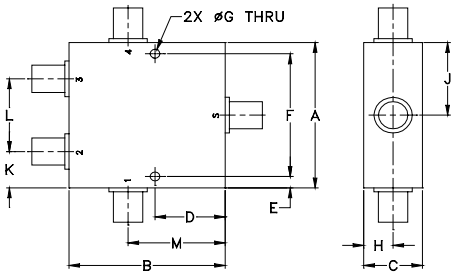
Applications

- GPS
- communication systems

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

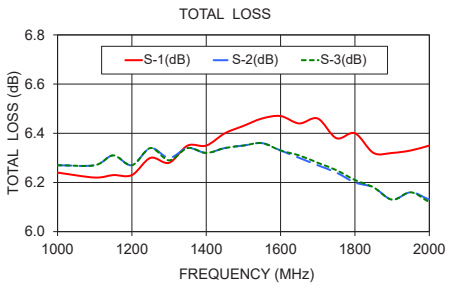
Electrical Specifications

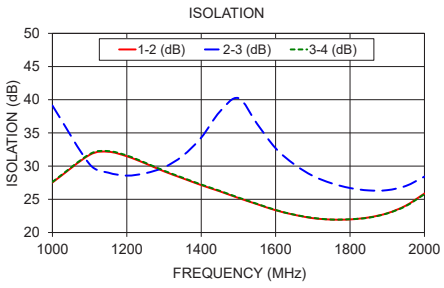
FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 6.0 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)
f_L-f_U	Typ.	Min.	Typ.	Max.	Max.	Max.
1000-2000	25	16	0.3	1.0	6	0.7

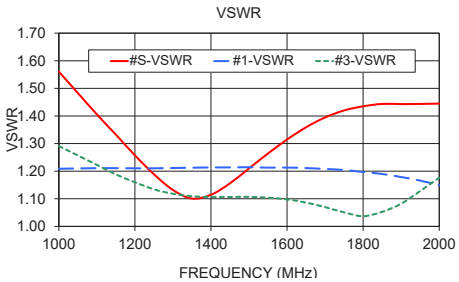
Typical Performance Data

Freq. (MHz)	Total Loss[1] (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						
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

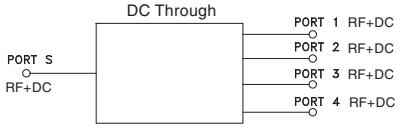
1. Total Loss = Insertion Loss + 6dB splitter loss.







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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