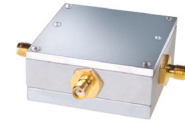


Coaxial Power Splitter/Combiner

ZA3PD-2+ ZA3PD-2

3 Way-0° 50Ω 1000 to 2000 MHz



SMA version shown
CASE STYLE: CC51

Maximum Ratings

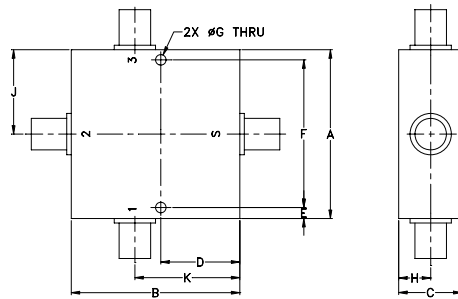
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	0.375W max.

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

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F
2.00	2.00	.75	.938	.13	1.750
50.80	50.80	19.05	23.83	3.30	44.45
G	H	J	K	wt	
.125	.38	1.00	1.25	grams	
3.18	9.65	25.40	31.75	200.0	

Features

- low insertion loss, 0.3 dB typ.
- good isolation, 20 dB typ.
- up to 10W power input as splitter
- rugged, shielded case

Applications

- GPS
- PCS/DCS
- communication system
- instrumentation

Connectors	Model	Price	Qty.
SMA	ZA3PD-2-S+	\$89.95	(1-9)
N-TYPE	ZA3PD-2-N(+)	\$89.95	(1-9)

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

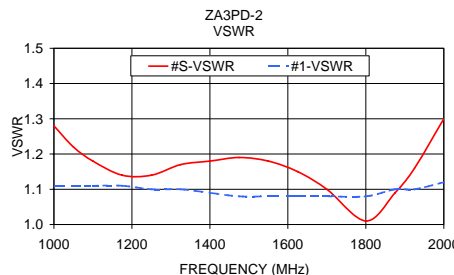
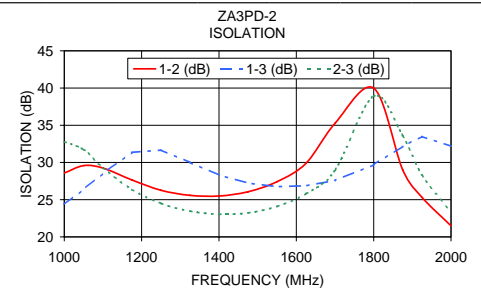
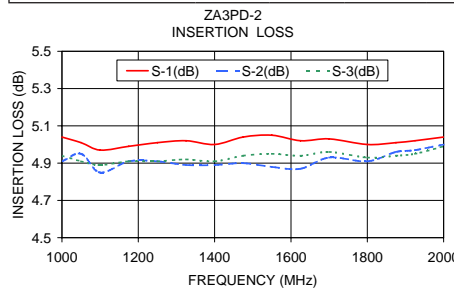
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 4.8 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)
	Typ.	Min.	Typ.	Max.		
f_L - f_U					Max.	Max.
1000-2000	20	15	0.3	0.6	—	0.3

Typical Performance Data

Freq. (MHz)	Insertion Loss (dB)			Amp. Unbal. (dB)	Isolation (dB)			Phase Unbal. (deg.)	VSWR S	VSWR 1	VSWR 2	VSWR 3
	S-1	S-2	S-3		1-2	1-3	2-3					
1000.00	5.04	4.91	4.94	0.13	28.58	24.37	32.79	6.80	1.28	1.11	1.16	1.10
1050.00	5.01	4.95	4.91	0.10	29.58	26.39	31.73	6.58	1.22	1.11	1.15	1.09
1100.00	4.97	4.85	4.89	0.12	29.25	28.53	29.26	7.10	1.18	1.11	1.14	1.09
1175.00	4.99	4.91	4.91	0.09	27.65	31.36	26.37	7.65	1.14	1.11	1.12	1.08
1250.00	5.01	4.91	4.91	0.10	26.26	31.67	24.51	8.18	1.14	1.10	1.09	1.08
1325.00	5.02	4.89	4.92	0.13	25.58	30.00	23.47	8.53	1.17	1.10	1.07	1.07
1400.00	5.00	4.89	4.91	0.10	25.49	28.32	23.05	9.00	1.18	1.09	1.05	1.07
1475.00	5.04	4.90	4.94	0.14	26.06	27.24	23.23	9.54	1.19	1.08	1.03	1.06
1550.00	5.05	4.88	4.95	0.18	27.42	26.75	24.09	10.02	1.18	1.08	1.03	1.06
1625.00	5.02	4.87	4.94	0.14	29.90	26.87	25.81	10.76	1.15	1.08	1.05	1.05
1700.00	5.03	4.93	4.96	0.10	35.26	27.59	28.96	11.28	1.10	1.08	1.06	1.05
1800.00	5.00	4.91	4.93	0.10	39.99	29.69	38.91	11.76	1.01	1.08	1.09	1.06
1875.00	5.01	4.96	4.94	0.07	29.01	32.17	33.58	12.40	1.09	1.10	1.11	1.07
1925.00	5.02	4.97	4.95	0.07	25.31	33.50	28.31	12.58	1.16	1.10	1.12	1.08
2000.00	5.04	5.00	4.99	0.04	21.49	32.18	23.34	13.16	1.30	1.12	1.14	1.10



electrical schematic



For detailed performance specs & shipping online see web site

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