Coaxial

Power Splitter/Combiner

ZA3PD-2+

3 Way-0° 50Ω 1000 to 2000 MHz

SMA version shown

CASE STYLE: CC51

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 has been added in order to identify 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.

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

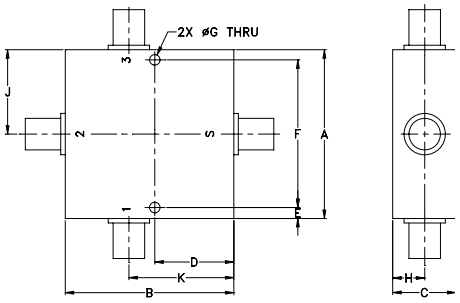
Features

- 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

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

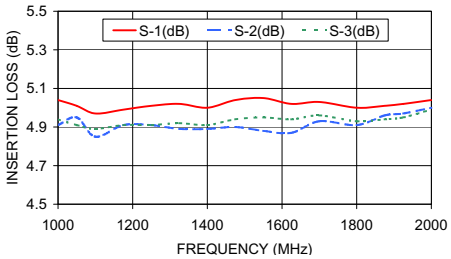
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 4.8 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)
f_L-f_U	Typ.	Min	Typ.	Max.	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

ZA3PD-2+
INSERTION LOSS



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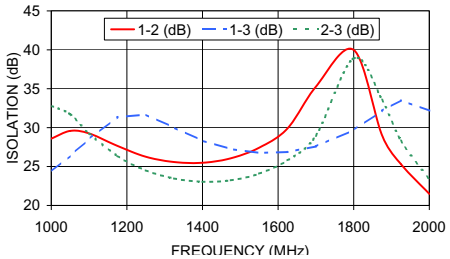
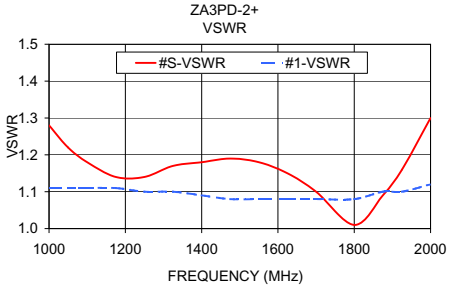
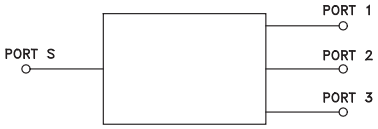
ISOLATION



ZA3PD-2+
VSWR



electrical schematic



For detailed performance specs & shopping online see web site

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