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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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with experienced engineers and technicians on staff.

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Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
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- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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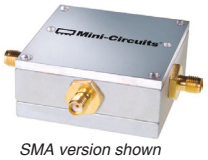
Visit our website - *Click HERE*

DC Pass

Power Splitter/Combiner

ZA3PD-2+

3 Way-0° 50Ω 1000 to 2000 MHz



SMA version shown

CASE STYLE: CC51

Connectors	Model
SMA	ZA3PD-2-S+
N-TYPE	ZA3PD-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 (400 mA for each port)

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

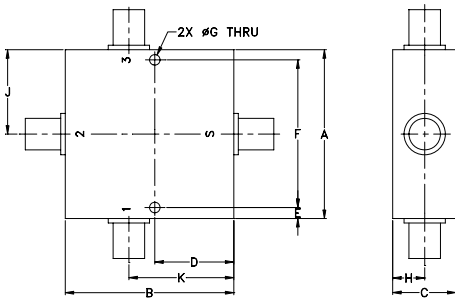
Features

- 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

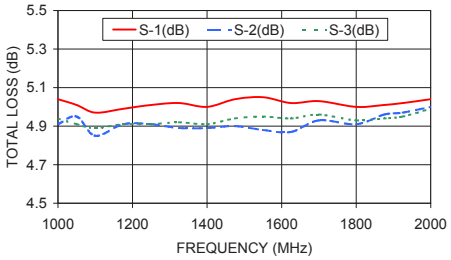
FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 4.8 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)
f_L-f_U	Typ.	Min	Typ.	Max.	Max.	Max.
1000-2000	20	15	0.3	0.6	—	0.3

Typical Performance Data

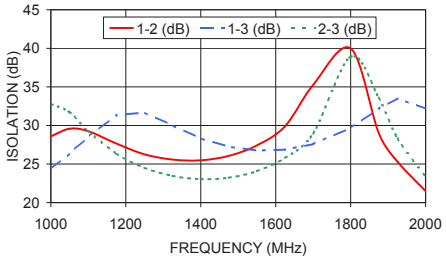
Freq. (MHz)	Total Loss[1] (dB)			Amp. Unbal. (dB)	Isolation (dB)			Phase Unbal. (deg.)	VSWR S	VSWR 1	VSWR 2	VSWR 3
	S-1	S-2	S-3		1-2	1-3	2-3					
1000.00	5.04	4.91	4.94	0.13	28.58	24.37	32.79	6.80	1.28	1.11	1.16	1.10
1050.00	5.01	4.95	4.91	0.10	29.58	26.39	31.73	6.58	1.22	1.11	1.15	1.09
1100.00	4.97	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

1. Total Loss = Insertion Loss + 4.8dB splitter loss.

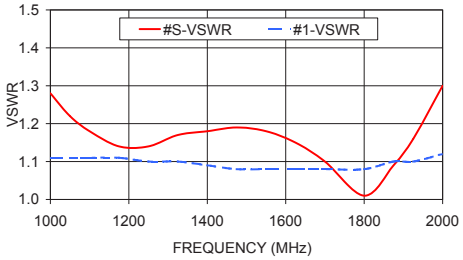
ZA3PD-2+
TOTAL LOSS



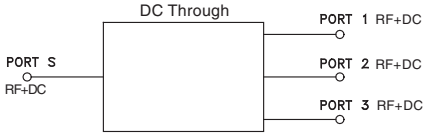
ZA3PD-2+
ISOLATION



ZA3PD-2+
VSWR



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.
C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp

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