

ARTISAN®
TECHNOLOGY GROUP

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

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

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

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

NON-CATALOG

Coaxial

Power Splitter/Combiner

ZAPDQ-4

2 Way-90° 50Ω 2000 to 4200 MHz



SMA version shown

CASE STYLE: F14

Connectors	Model
N-TYPE	ZAPDQ-4-N
SMA	ZAPDQ-4-S

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.125W max.

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

Pin Connections

SUM PORT	S
PORT 1 (0°)	1
PORT 2 (+90°)	3

Features

- wideband, 2000 to 4200 MHz
- low insertion loss, 0.4 dB typ.
- good isolation, 22 dB typ.
- rugged shielded case

Applications

- balanced amplifiers
- modulators
- test set-ups

Electrical Specifications

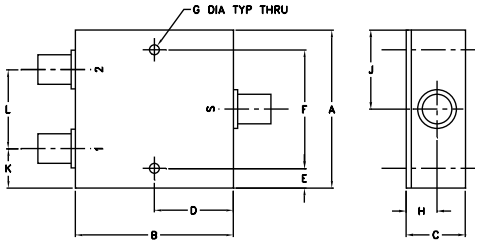
FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) Avg. of Coupled Outputs ABOVE 3 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)
f_L-f_U	Typ.	Min.	Typ.	Max.	Max.	Max.
2000-4200	22	16	0.4	0.9	8.0	1.0

Typical Performance Data

Frequency (MHz)	Total Loss[1] (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
2000.00	3.31	3.40	0.08	24.36	85.56	1.30	1.10	1.19
2550.00	3.34	3.34	0.00	30.45	83.54	1.07	1.13	1.20
3045.00	3.30	3.32	0.02	33.42	83.38	1.10	1.23	1.17
3100.00	3.32	3.35	0.03	33.35	83.33	1.11	1.23	1.17
3540.00	3.35	3.35	0.00	30.67	84.52	1.22	1.29	1.13
3650.00	3.43	3.50	0.07	29.59	85.06	1.24	1.27	1.12
3760.00	3.34	3.35	0.01	28.73	85.25	1.25	1.26	1.11
3815.00	3.43	3.45	0.02	28.42	84.98	1.26	1.25	1.11
3870.00	3.43	3.52	0.08	28.20	85.45	1.26	1.25	1.11
3925.00	3.36	3.44	0.07	27.94	85.82	1.27	1.24	1.11
3980.00	3.36	3.40	0.04	27.55	86.03	1.27	1.24	1.11
4035.00	3.43	3.44	0.01	27.32	85.79	1.27	1.23	1.11
4090.00	3.42	3.55	0.13	27.20	85.95	1.27	1.23	1.11
4145.00	3.36	3.47	0.11	26.98	86.84	1.27	1.22	1.12
4200.00	3.42	3.45	0.03	26.77	87.16	1.27	1.21	1.13

1. Total Loss = Insertion Loss + 3dB splitter loss.

Outline Drawing

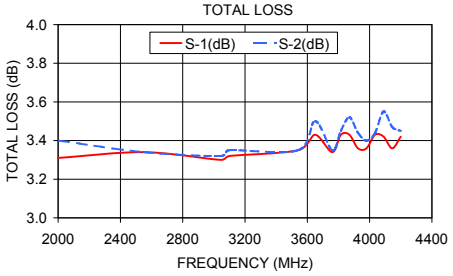


Outline Dimensions (inch / mm)

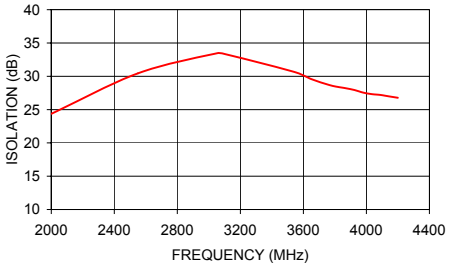
A	B	C	D	E	F	G
2.00	2.00	0.75	1.00	0.25	1.500	0.125
50.80	50.80	19.05	25.40	6.35	38.10	3.18

H	J	K	L	wt
0.39	1.00	0.50	1.00	grams
9.91	25.40	12.70	25.40	170.0

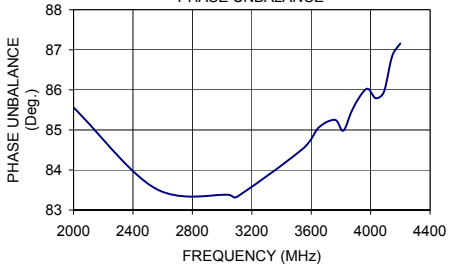
ZAPDQ-4
TOTAL LOSS



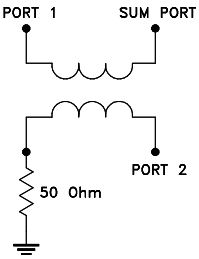
ZAPDQ-4
ISOLATION



ZAPDQ-4
PHASE UNBALANCE



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

REV. C
M160892
ZAPDQ-4
HY/TD/CP/AM
170808

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP