

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*

Coaxial

Power Splitter/Combiner

ZN12PD-17-S

12 Way-0° 50Ω 800 to 1700 MHz



HT-Series Tight Spot SMA Wrench

CASE STYLE: UU589

Connectors	Model
SMA	ZN12PD-17-S

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	2W max.

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

Coaxial Connections

SUM PORT	S(COM)
PORT 1,2,3,.....,12	1,2,3.....,12

Features

- low insertion loss, 0.45 dB typ.
- high isolation, 30 dB typ.
- excellent VSWR, 1.1:1 typ.
- excellent amplitude unbalance, 0.2 dB typ.
- up to 5W power output as splitter
- rugged shielded case

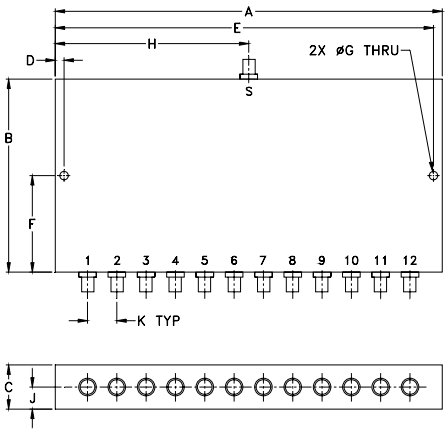
Applications

- instrumentation
- cellular
- PCN
- GPS
- satellite

+RoHS Compliant

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

Outline Drawing



Outline Dimensions (inch / mm)

A	B	C	D	E	F
6.60	3.28	.75	.150	6.45	1.64
167.64	83.31	19.05	3.81	163.83	41.66

G	H	J	K	wt
.144	3.30	.38	.500	grams
3.66	83.82	9.65	12.70	370

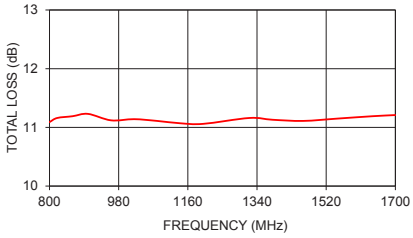
Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 10.8 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	VSWR (:1)			
							S		OUT	
f_L-f_U	Typ.	Min.	Typ.	Max.	Max.	Max.	Typ.	Max.	Typ.	Max.
800-1700	30	18	0.45	1.2	14	0.7	1.2	1.6	1.1	1.4

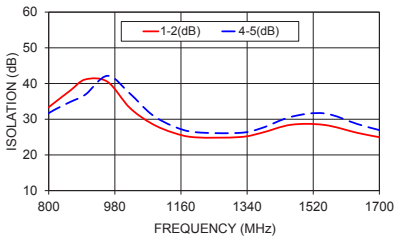
Typical Performance Data

Freq. (MHz)	Total Loss[1] (dB)	Amplitude Unbalance (dB)	Isolation (dB)		Phase Unbalance (deg.)	VSWR S	VSWR 12
			1-2	4-5			
800.00	11.09	0.19	33.36	31.69	2.53	1.37	1.07
820.00	11.16	0.20	34.98	32.87	2.26	1.42	1.07
860.00	11.19	0.27	38.14	34.91	2.79	1.48	1.07
900.00	11.23	0.19	41.15	36.91	2.82	1.47	1.08
960.00	11.12	0.18	40.49	42.16	2.80	1.38	1.09
1020.00	11.14	0.14	33.25	37.29	2.91	1.25	1.10
1080.00	11.11	0.12	28.79	31.36	2.89	1.15	1.11
1140.00	11.07	0.11	26.19	28.00	3.13	1.14	1.11
1200.00	11.06	0.09	24.92	26.36	3.92	1.15	1.10
1320.00	11.16	0.12	25.00	26.18	4.11	1.15	1.09
1380.00	11.13	0.12	26.21	27.53	4.08	1.12	1.08
1460.00	11.11	0.18	28.45	30.68	4.06	1.04	1.08
1550.00	11.15	0.22	28.40	31.64	4.45	1.09	1.09
1640.00	11.19	0.21	26.18	28.65	4.61	1.18	1.08
1700.00	11.21	0.19	24.96	26.95	4.73	1.16	1.07

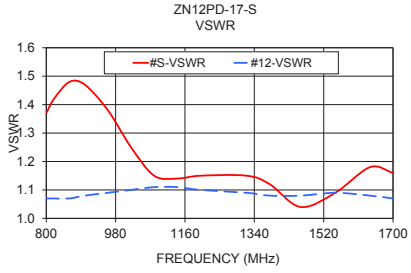
ZN12PD-17-S
TOTAL LOSS



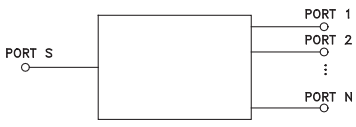
ZN12PD-17-S
ISOLATION



ZN12PD-17-S
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

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