Coaxial

Power Splitter/Combiner

ZX10-2-722+

2 Way-0° 50Ω 2800 to 7200 MHz

CASE STYLE: FL905

Connectors	Model	Price	Qty.
SMA	ZX10-2-722-S+	$35.95	(1-24)

+ 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	-40°C to 85°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1.5W max.
Internal Dissipation (as a combiner)	0.75W max.

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

Coaxial Connections

SUM PORT	3
PORT 1	1
PORT 2	2

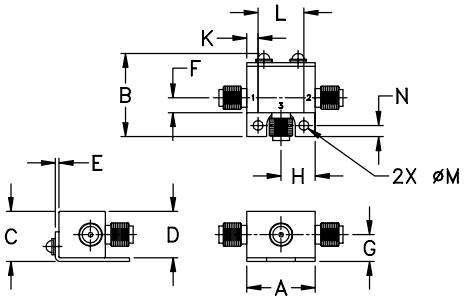
Features

- wide bandwidth, 2800 to 7200 MHz
- excellent amplitude unbalance, 0.05 dB typ.
- very good phase unbalance, 1 deg. typ.
- small size
- low cost
- protected under U.S. Patent 6,790,049

Applications

- WiMax
- radar
- ISM
- WLAN
- instrumentation
- Satellite communications

Outline Drawing



Outline Dimensions (inch / mm)

A	B	C	D	E	F	G
.74	.90	.54	.50	.04	.16	.29
18.80	22.86	13.72	12.70	1.02	4.06	7.37

H	J	K	L	M	N	wt
.37	--	.122	.496	.106	.122	grams
9.40	--	3.10	12.60	2.69	3.10	20.0

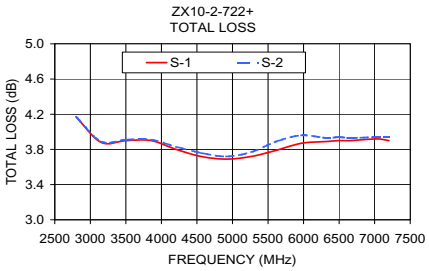
Electrical Specifications

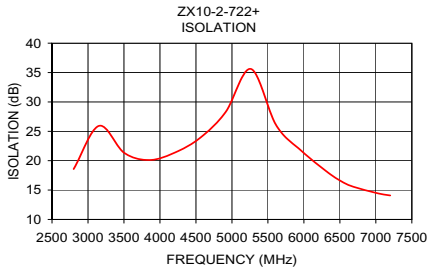
FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 3.0 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)
f_L-f_U	Typ.	Min.	Typ.	Max.	Max.	Max.
2800-7200	22	11	0.8	1.6	10	0.4

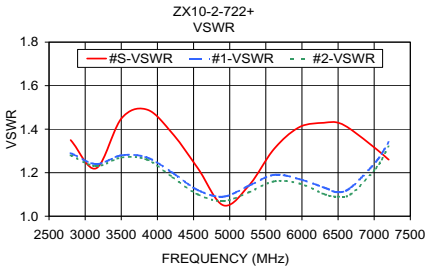
Typical Performance Data

Frequency (MHz)	Total Loss[1] (dB) S-1	Total Loss[1] (dB) S-2	Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
2800.0	4.17	4.17	0.00	18.58	0.47	1.35	1.29	1.28
3152.0	3.88	3.89	0.01	25.93	0.57	1.22	1.24	1.23
3504.0	3.90	3.91	0.01	21.32	0.59	1.45	1.28	1.27
3856.0	3.90	3.91	0.01	20.11	0.56	1.49	1.27	1.26
4208.0	3.80	3.83	0.03	21.38	0.65	1.38	1.20	1.18
4560.0	3.72	3.76	0.04	23.90	0.79	1.22	1.12	1.10
4912.0	3.69	3.72	0.03	28.26	0.87	1.05	1.09	1.07
5264.0	3.72	3.77	0.05	35.61	0.82	1.14	1.14	1.11
5616.0	3.79	3.89	0.11	26.01	0.83	1.31	1.19	1.16
5968.0	3.87	3.96	0.09	21.65	0.86	1.41	1.17	1.15
6320.0	3.89	3.93	0.05	18.13	0.95	1.43	1.13	1.10
6496.0	3.90	3.94	0.04	16.66	0.95	1.43	1.11	1.09
6672.0	3.90	3.93	0.03	15.63	0.91	1.40	1.13	1.10
7024.0	3.92	3.94	0.02	14.46	0.82	1.31	1.25	1.22
7200.0	3.90	3.94	0.04	14.08	0.79	1.26	1.34	1.32

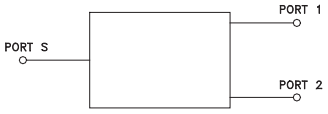
1. Total Loss = Insertion Loss + 3dB splitter loss.







electrical schematic



Mini-Circuits®

ISO 9001 ISO 14001 AS 9100 CERTIFIED

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 *The Design Engineers Search Engine* Yoni2® *Provides ACTUAL Data Instantly at* **minicircuits.com**

For detailed performance specs & shopping online see web site

IF/RF MICROWAVE COMPONENTS

REV. A
M127604
ZX10-2-722+
ED-13246A/3
DY/CP
120130

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. **2.** Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. **3.** The parts covered by this specification sheet 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.