

Coaxial

Power Splitter/Combiner

ZX10-2-722+

2 Way-0° 50Ω 2800 to 7200 MHz



Maximum Ratings

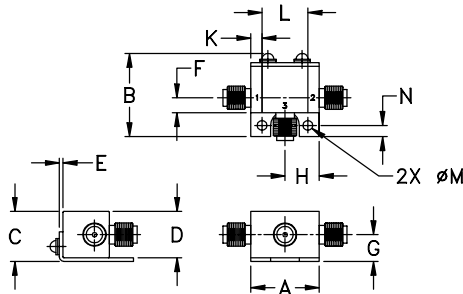
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1.5W max.
Internal Dissipation (as a combiner)	0.75W max.

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

Coaxial Connections

SUM PORT	3
PORT 1	1
PORT 2	2

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

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

Electrical Specifications

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

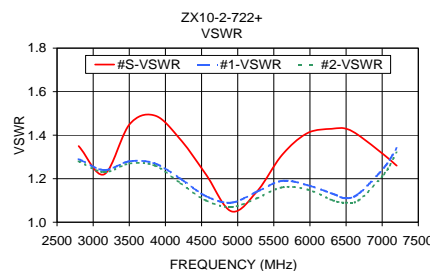
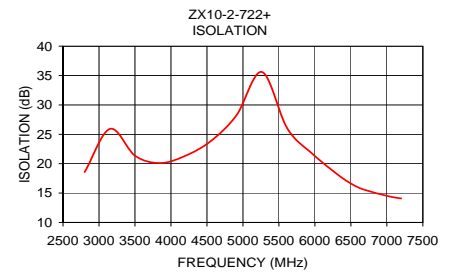
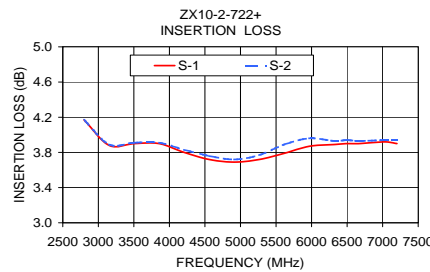
Connectors	Model	Price	Qty.
SMA	ZX10-2-722-S+	\$31.95	(1-24)

+ 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.

Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-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



electrical schematic



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