

Power Splitter/Combiner

ZAPD-232-75+

2 Way-0° 75Ω 700 to 2300 MHz

Maximum Ratings

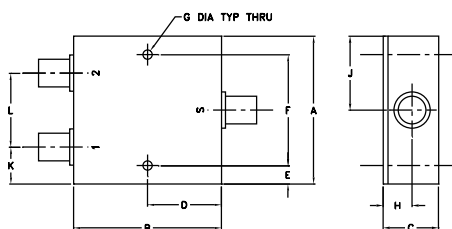
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	10W max.
Internal Dissipation	0.5W max.
DC Current	1.0A (500mA for each port)

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

Coaxial Connections

SUM PORT	S
PORT 1	1
PORT 2	2

Outline Drawing

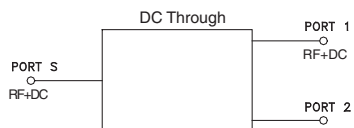


Outline Dimensions (inch/mm)

A	B	C	D	E	F	G
2.00	2.00	.75	1.00	.13	1.750	.125
50.80	50.80	19.05	25.40	3.30	44.45	3.18

H	J	K	L	wt
.39	1.00	.50	1.00	grams
9.91	25.40	12.70	25.40	170.0

Electrical Schematic



Features

- wideband, 700-2300 MHz
- low insertion loss, 0.5 dB typ.
- good isolation, 25 dB typ.
- excellent output VSWR, 1.15:1 typ.
- excellent input VSWR, 1.25:1 typ.

Applications

- cable TV
- cellular
- GPS
- PCS
- WCDMA
- communication systems



CASE STYLE: F53

Connectors	Model	Price	Qty.
F-TYPE	ZAPD-232-75-F+	\$69.95	(1-9)

+RoHS Compliant

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

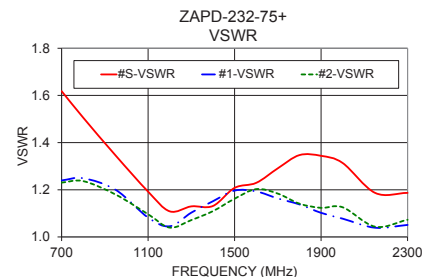
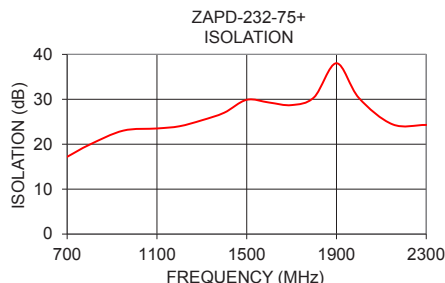
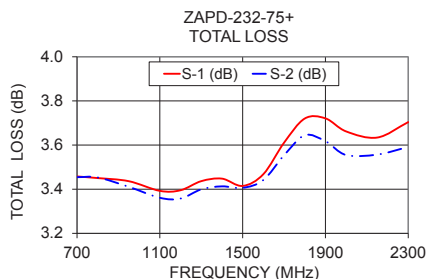
Electrical Specifications at 25°C

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Unit
Frequency Range		700		2300	MHz
Insertion Loss Above 3.0 dB	700 - 2300	—	0.5	1.0	dB
Isolation	700 - 950	15	20	—	dB
	950 - 2300	20	25	—	dB
Phase Unbalance	700 - 2300	—	1.0	3.0	Degree
Amplitude Unbalance	700 - 2300	—	0.1	0.3	dB
VSWR (Port S)	700 - 950	—	1.5	1.9	:1
	950 - 2300	—	1.25	1.5	:1
VSWR (Port 1-2)	700 - 950	—	1.2	1.4	:1
	950 - 2300	—	1.15	1.3	:1

Typical Performance Data

Frequency (MHz)	Total Loss ¹ (dB)		Amp. Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
700	3.46	3.45	0.00	17.20	0.61	1.62	1.24	1.23
800	3.45	3.45	0.00	19.91	0.77	1.51	1.25	1.24
950	3.44	3.41	0.03	23.03	0.81	1.35	1.20	1.18
1100	3.39	3.36	0.03	23.51	0.86	1.19	1.08	1.10
1200	3.40	3.36	0.04	24.00	0.88	1.11	1.05	1.04
1300	3.44	3.40	0.04	25.33	0.78	1.13	1.10	1.07
1400	3.45	3.41	0.04	27.02	0.78	1.13	1.15	1.11
1500	3.41	3.41	0.01	29.89	1.09	1.21	1.20	1.16
1600	3.47	3.44	0.03	29.28	1.13	1.23	1.19	1.20
1700	3.61	3.55	0.06	28.71	1.17	1.29	1.16	1.18
1800	3.72	3.64	0.08	30.43	1.21	1.35	1.14	1.14
1900	3.72	3.62	0.10	38.03	1.19	1.34	1.10	1.12
2000	3.66	3.55	0.11	30.29	1.37	1.31	1.08	1.13
2150	3.63	3.56	0.08	24.42	1.31	1.19	1.04	1.04
2300	3.70	3.59	0.11	24.29	1.12	1.19	1.05	1.07

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



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.

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