

Coaxial

Power Splitter/Combiner

ZAPD-2+

2 Way-0° 50Ω 1000 to 2000 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	0.125W max.

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

Coaxial Connections

SUM PORT	S
PORT 1	1
PORT 2	2

Features

- low insertion loss, 0.25 dB typ.
- good isolation, 25 dB typ.
- up to 10W power input as splitter
- excellent amplitude unbalance, 0.1 dB typ.
- excellent phase unbalance, 0.5 deg. typ.
- excellent VSWR, 1.1:1 typ.
- rugged shielded case

Applications

- GPS
- satellite distribution
- PCS/DCS
- communications systems



N-Type version shown

CASE STYLE: F14

Connectors	Model	Price	Qty.
BNC	ZAPD-2+	\$59.95	(1-9)
SMA	ZAPD-2-S+	\$64.95	(1-9)
N-TYPE	ZAPD-2-N+	\$64.95	(1-9)

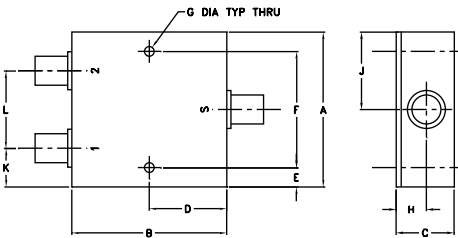
+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Electrical Specifications

FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 3.0 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	VSWR (:1)	
	Typ.	Min.	Typ.	Max.			S Typ.	OUT Typ.
f_L - f_U					Max.	Max.		
1000-2000	25	19	0.25	0.6	2	0.2	—	—

Outline Drawing

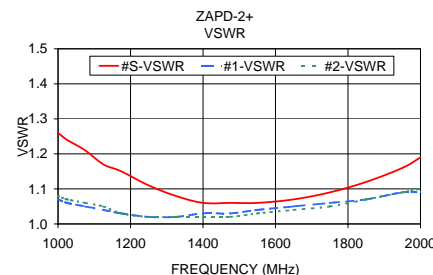
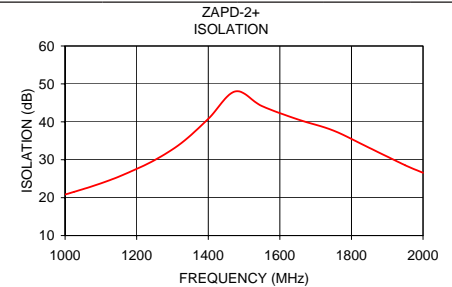
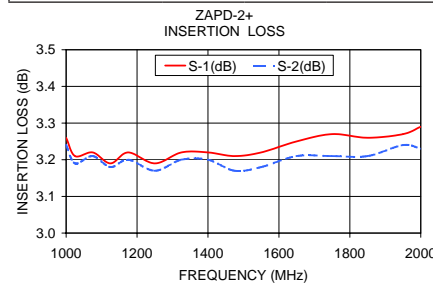


Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	
2.00	2.00	.75	1.00	.25	1.500	.125	
50.80	50.80	19.05	25.40	6.35	38.10	3.18	
H	J	K	L				wt
.39	1.00	.50	1.00				grams
9.91	25.40	12.70	25.40				170.0

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						
1000.00	3.26	3.24	0.02	20.82	0.14	1.26	1.07	1.08
1025.00	3.21	3.19	0.01	21.53	0.14	1.24	1.06	1.07
1075.00	3.22	3.21	0.01	22.97	0.12	1.21	1.05	1.06
1125.00	3.19	3.18	0.01	24.61	0.16	1.17	1.04	1.05
1175.00	3.22	3.20	0.02	26.54	0.13	1.15	1.03	1.03
1250.00	3.19	3.17	0.02	29.88	0.17	1.11	1.02	1.02
1325.00	3.22	3.20	0.02	34.41	0.15	1.08	1.02	1.02
1400.00	3.22	3.20	0.02	40.79	0.23	1.06	1.03	1.02
1475.00	3.21	3.17	0.04	48.01	0.27	1.06	1.03	1.02
1550.00	3.22	3.18	0.04	44.16	0.23	1.06	1.04	1.03
1650.00	3.25	3.21	0.04	40.64	0.23	1.07	1.05	1.04
1750.00	3.27	3.21	0.05	37.67	0.17	1.09	1.06	1.05
1850.00	3.26	3.21	0.05	33.14	0.22	1.12	1.07	1.07
1950.00	3.27	3.24	0.03	28.56	0.27	1.16	1.09	1.09
2000.00	3.29	3.23	0.06	26.55	0.20	1.19	1.09	1.10



electrical schematic



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IF/RF MICROWAVE COMPONENTS

REV. A
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ZAPD-2+
HY/TD/CP/AM
081024