

Coaxial

Power Splitter/Combiner

ZAPD-30+

2 Way-0° 50Ω 20 to 3000 MHz

Maximum Ratings

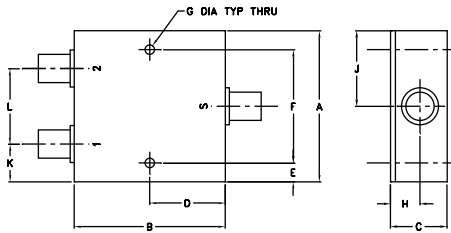
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.125W max.

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

Coaxial Connections

SUM PORT	S
PORT 1	1
PORT 2	2

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	J	K	L	wt
2.00	2.00	0.75	1.00	0.25	1.500	0.125	0.39	1.00	0.50	1.00	grams
50.80	50.80	19.05	25.40	6.35	38.10	3.18	9.91	25.40	12.70	25.40	170.0

Features

- wideband, 20 to 3000 MHz
- excellent amplitude unbalance, 0.1 dB typ.
- excellent phase unbalance, 1 deg. typ.

Applications

- UHF TV/DVT
- aircraft radio navigation
- PCS/cellular/GSM



CASE STYLE: F14

Connectors	Model	Price	Qty.
SMA	ZAPD-30-S+	\$84.95	(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

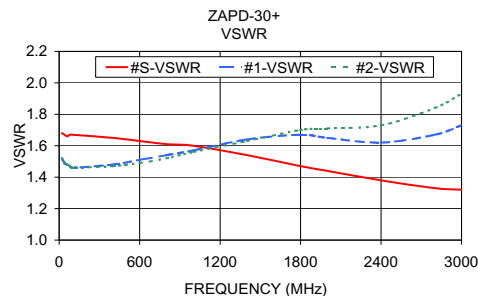
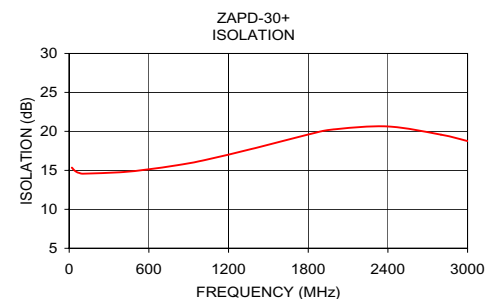
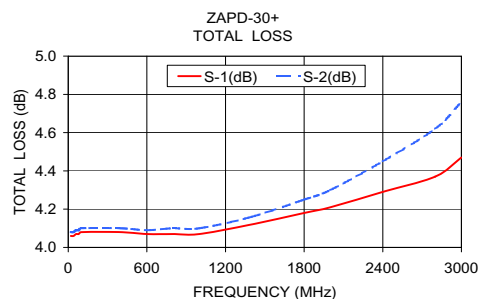
FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 3.0 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)			VSWR (:1)			
	L		M		U		L		M		U		L	M	U	L	M	U	S		OUT	
	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.	Typ.	Max.	Typ.	Max.
20-3000	14	12	16	12	20	14	1.1	1.5	1.1	1.8	1.4	2.3	3	5	9	0.3	0.4	0.8	1.5	1.95	1.55	2.1

L = 20-200 MHz M = 200-1500 MHz U = 1500-3000 MHz

Typical Performance Data

Frequency (MHz)	Total Loss ¹ (dB)		Amplitude Unbalance (dB)	Isolation (dB)	Phase Unbalance (deg.)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2						
20.00	4.06	4.08	0.02	15.35	0.01	1.68	1.52	1.52
40.00	4.06	4.08	0.02	14.99	0.03	1.67	1.49	1.49
60.00	4.07	4.09	0.02	14.75	0.04	1.66	1.48	1.48
80.00	4.07	4.09	0.02	14.64	0.05	1.67	1.47	1.47
100.00	4.08	4.10	0.02	14.57	0.04	1.67	1.46	1.46
400.00	4.08	4.10	0.02	14.77	0.22	1.65	1.48	1.47
600.00	4.07	4.09	0.03	15.14	0.30	1.63	1.51	1.49
800.00	4.07	4.10	0.03	15.62	0.34	1.61	1.54	1.52
1000.00	4.07	4.10	0.03	16.24	0.48	1.60	1.57	1.56
1400.00	4.12	4.16	0.04	17.85	0.61	1.54	1.64	1.63
1800.00	4.18	4.25	0.07	19.60	0.66	1.47	1.67	1.70
2000.00	4.21	4.30	0.09	20.27	0.71	1.44	1.65	1.71
2400.00	4.29	4.45	0.17	20.63	0.92	1.38	1.62	1.73
2800.00	4.37	4.62	0.25	19.58	1.43	1.33	1.67	1.84
3000.00	4.47	4.76	0.28	18.76	1.80	1.32	1.73	1.93

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



electrical schematic



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