Coaxial

Power Splitter/Combiner

ZAPD-2-252-75+

2 Way-0° 75Ω 5 to 2500 MHz

CASE STYLE: F14

Connectors	Model	Price	Qty.
BNC	ZAPD-2-252-75+	$84.95 ea.	(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.

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	0.04W max.

Coaxial Connections

SUM PORT	S
PORT 1	1
PORT 2	2

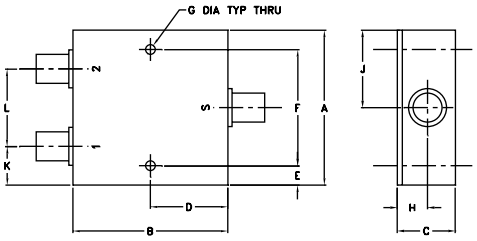
Features

- wideband, 5 to 2500 MHz, useable from 0.5 to 3000 MHz
- low insertion loss, 0.6 dB typ.
- excellent amplitude unbalance, 0.1 dB typ.
- excellent phase unbalance, 0.5 deg. typ.
- rugged shielded case

Applications

- VHF/UHF
- PCS
- GPS
- cellular
- instrumentation
- Cable TV

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

Electrical Specifications

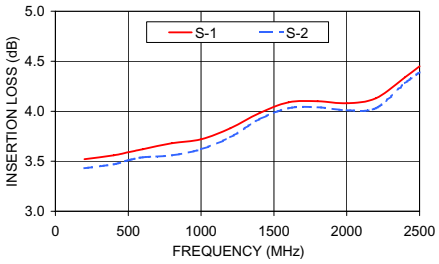
FREQ. RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS (dB) ABOVE 3.0 dB						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)			VSWR (:1)			
	L		M		U		L		M		U		L	M	U	L	M	U	S		OUT	
f_L-f_U	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.	Typ.	Max.	Typ.	Max.
5-2500	20	12	26	16	23	14	0.4	0.8	0.6	1.7	1.1	2.7	2	3	5	0.2	0.4	0.4	1.2	—	1.3	—

L = low range [f_L to 10 f_L] M = mid range [10 f_L to f_U/2] U= upper range [f_U/2 to f_U]

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						
5.00	3.46	3.37	0.09	19.17	0.05	1.05	1.55	1.57
200.00	3.52	3.43	0.08	22.55	0.02	1.14	1.40	1.41
400.00	3.56	3.47	0.09	25.11	0.04	1.24	1.35	1.34
500.00	3.59	3.51	0.08	27.13	0.08	1.26	1.33	1.32
600.00	3.62	3.54	0.08	29.81	0.01	1.24	1.30	1.31
800.00	3.68	3.56	0.11	34.89	0.14	1.15	1.26	1.27
1000.00	3.72	3.62	0.10	30.53	0.17	1.12	1.22	1.24
1200.00	3.83	3.74	0.09	27.67	0.40	1.15	1.20	1.22
1400.00	3.98	3.92	0.07	26.62	0.34	1.20	1.18	1.20
1600.00	4.09	4.03	0.07	25.10	0.44	1.24	1.16	1.18
1800.00	4.10	4.04	0.06	23.97	0.66	1.27	1.17	1.19
2000.00	4.08	4.01	0.07	22.66	0.97	1.26	1.17	1.17
2200.00	4.13	4.03	0.10	21.10	1.41	1.20	1.14	1.11
2400.00	4.34	4.28	0.06	19.66	1.69	1.16	1.11	1.06
2500.00	4.45	4.39	0.06	19.22	1.55	1.16	1.15	1.09

ZAPD-2-252-75+
INSERTION LOSS



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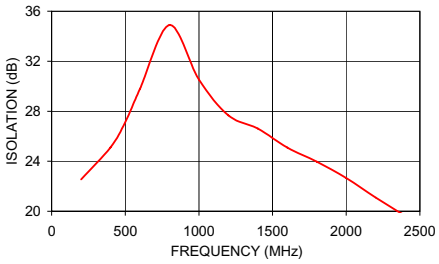
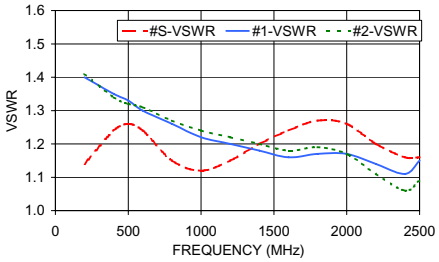
ISOLATION



ZAPD-2-252-75+
VSWR



electrical schematic