

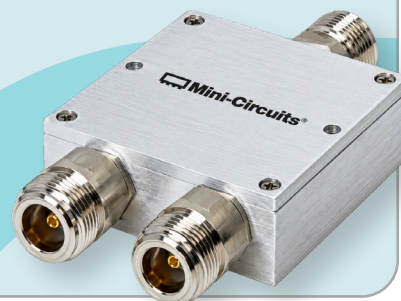
AV000007

Integrated Public Safety DAS 2-Way RF Power Splitter



Reliable RF signal distribution across a broad frequency range.

- Wideband operation supports 100–900 MHz frequencies.
- Low insertion loss helps preserve RF signal strength.
- High port isolation reduces interference between connections.
- Supports up to 5 W of RF input power/
- Rugged shielded enclosure protects against RF interference/
- N-type connections provide reliable RF connectivity.



Specifications

Frequency Range	100–900 MHz
Impedance	50 Ω
Connector Type	N-Type
Isolation	23 dB Typical; 18 dB Minimum
Insertion Loss Above 3.0 dB	0.3 dB Typical; 1.0 dB Maximum
Phase Unbalance	3° Maximum
Amplitude Unbalance	0.3 dB Maximum
VSWR – Sum Port	1.15:1 Typical; 1.5:1 Maximum
VSWR – Output	1.22:1 Typical; 1.5:1 Maximum
Maximum RF Input Power	5 W
Maximum Internal Dissipation	1 W
Coaxial Connections	Sum Port (S); Port 1; Port 2
Dimensions	2.00" H $\times$ 2.00" W $\times$ 0.75" D
Weight	0.375 lbs (170 g)

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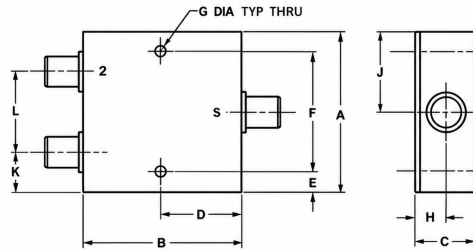
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Outline Drawing



Outline Dimensions (inch mm)

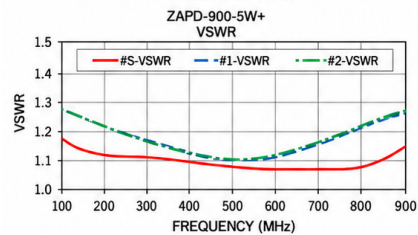
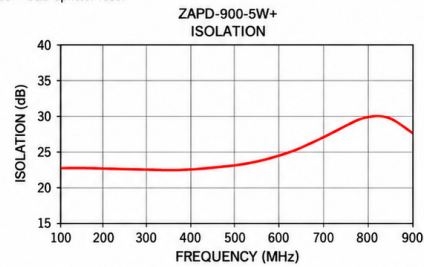
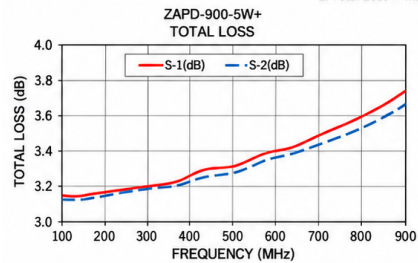
A	B	C	D	E	F	G
2.00	2.00	0.75	1.00	0.25	1.500	0.125
50.80	50.80	19.05	25.40	6.35	38.10	3.18

H	J	K	L	wt
0.39	1.00	0.50	1.00	grams
9.91	25.40	12.70	25.40	170.0

Typical Performance Data

Frequency (MHz)	Total Loss ¹ (dB)		Amplitude Unbalance (dB)	Isolation (dB)	VSWR S	VSWR 1	VSWR 2
	S-1	S-2					
100.00	3.15	3.14	0.01	22.80	1.16	1.27	1.27
130.00	3.14	3.13	0.01	22.85	1.14	1.25	1.25
160.00	3.15	3.14	0.00	22.87	1.13	1.24	1.24
230.00	3.17	3.16	0.01	22.70	1.11	1.20	1.20
300.00	3.19	3.18	0.01	22.65	1.11	1.17	1.17
370.00	3.21	3.19	0.02	22.56	1.10	1.14	1.14
440.00	3.28	3.25	0.03	22.84	1.09	1.11	1.11
510.00	3.30	3.27	0.03	23.22	1.08	1.10	1.10
580.00	3.37	3.34	0.03	24.02	1.07	1.11	1.11
650.00	3.41	3.38	0.04	25.31	1.07	1.14	1.14
720.00	3.49	3.44	0.05	27.32	1.07	1.17	1.17
790.00	3.56	3.50	0.05	29.51	1.07	1.21	1.21
860.00	3.64	3.57	0.07	29.70	1.10	1.25	1.25
924.00	3.74	3.66	0.09	26.35	1.15	1.27	1.27

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



electrical schematic



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