

Coaxial

Power Splitter/Combiner

ZFSC-4375

4 Way-0° 75Ω

50 to 90 MHz

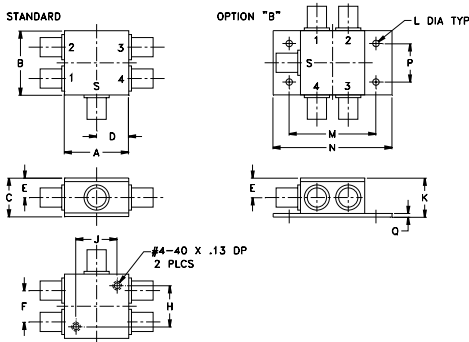
Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.250W max.

Coaxial Connections

SUM PORT	S
PORT 1	1
PORT 2	2
PORT 3	3
PORT 4	4

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H
1.25	1.25	.75	.63	.38	.61	--	.80
7.11	31.75	19.05	16.00	9.65	15.49	--	20.32

J	K	L	M	N	P	Q	wt
.80	.76	.125	1.688	2.18	.75	.07	grams
20.32	19.30	3.18	42.88	55.37	19.05	1.78	85.0

Features

- high isolation, 34 dB typ.
- low insertion loss, 0.3 dB typ.
- rugged, shielded case
- excellent VSWR, 1.05:1 typ.

Applications

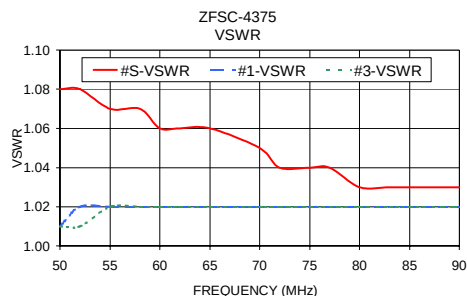
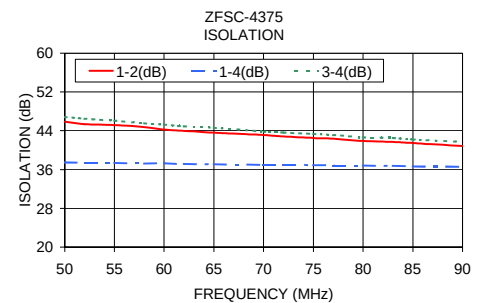
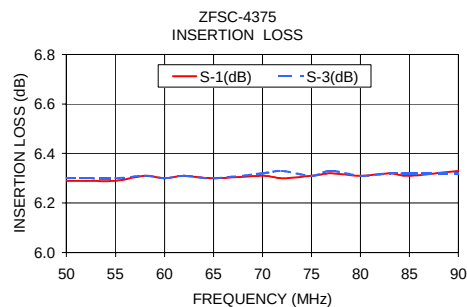
- VHF
- radio communication

Splitter Electrical Specifications

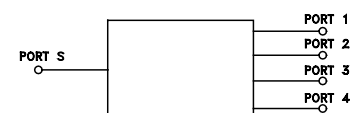
FREQ. RANGE (MHz)	ISOLATION (dB)	INSERTION LOSS (dB) ABOVE 6 dB	PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)
f_L - f_U	Typ. Min.	Typ. Max.	Max.	Max.
50-90	34 30	0.3 0.8	4	0.15

Typical Performance Data

Freq. (MHz)	Insertion Loss (dB)				Amp. Unbal. (dB)	Isolation (dB)			Phase Unbal. (deg.)	VSWR S	VSWR 1	VSWR 2	VSWR 3	VSWR 4
	S-1	S-2	S-3	S-4		1-2	1-4	3-4						
50.00	6.29	6.29	6.30	6.29	0.01	45.87	37.46	46.83	0.25	1.08	1.01	1.01	1.01	1.01
52.00	6.29	6.29	6.30	6.30	0.01	45.35	37.43	46.49	0.22	1.08	1.02	1.01	1.01	1.01
55.00	6.29	6.29	6.30	6.29	0.01	45.15	37.39	46.06	0.28	1.07	1.02	1.01	1.02	1.02
58.00	6.31	6.30	6.31	6.31	0.01	44.78	37.24	45.54	0.28	1.07	1.02	1.02	1.02	1.02
60.00	6.30	6.30	6.30	6.30	0.01	44.24	37.29	45.24	0.40	1.06	1.02	1.02	1.02	1.02
62.00	6.31	6.31	6.31	6.31	0.01	43.95	37.16	44.90	0.28	1.06	1.02	1.02	1.02	1.02
65.00	6.30	6.31	6.30	6.31	0.01	43.62	37.08	44.62	0.37	1.06	1.02	1.02	1.02	1.02
70.00	6.31	6.32	6.32	6.32	0.01	43.13	36.98	43.83	0.33	1.05	1.02	1.02	1.02	1.02
72.00	6.30	6.31	6.33	6.32	0.02	42.80	36.99	43.62	0.37	1.04	1.02	1.02	1.02	1.02
75.00	6.31	6.31	6.31	6.31	0.01	42.50	36.91	43.36	0.39	1.04	1.02	1.02	1.02	1.02
77.00	6.32	6.32	6.33	6.32	0.01	42.38	36.84	43.13	0.41	1.04	1.02	1.02	1.02	1.02
80.00	6.31	6.32	6.31	6.31	0.01	41.89	36.81	42.65	0.36	1.03	1.02	1.02	1.02	1.02
83.00	6.32	6.32	6.32	6.33	0.02	41.68	36.76	42.52	0.38	1.03	1.02	1.02	1.02	1.02
85.00	6.31	6.32	6.32	6.32	0.01	41.46	36.66	42.21	0.38	1.03	1.02	1.02	1.02	1.02
90.00	6.33	6.32	6.32	6.32	0.01	40.89	36.58	41.70	0.54	1.03	1.02	1.02	1.02	1.02



electrical schematic



INTERNET <http://www.minicircuits.com>

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661

Distribution Centers NORTH AMERICA 800-654-7949 • 417-335-5935 • Fax 417-335-5945 • EUROPE 44-1252-832600 • Fax 44-1252-837010

Mini-Circuits ISO 9001 & ISO 14001 Certified

 REV. OR
 M96470
 ZFSC-4375
 HY/TD/CP
 050125