

# Coaxial Power Splitter/Combiner

## ZFSC-4375+ 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.

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

### Coaxial Connections

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

### 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

CASE STYLE: G15  
Connectors Model  
BNC ZFSC-4375(+)  
BRACKET (OPTION "B")

### +RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

### Electrical Specifications

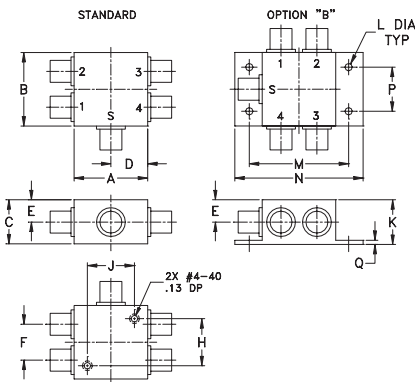
FREQ. RANGE (MHz)	ISOLATION (dB)		INSERTION LOSS (dB) ABOVE 6.0 dB		PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)
	Typ.	Min.	Typ.	Max.		
$f_L$ - $f_U$					Max.	Max.
50-90	34	30	0.3	0.8	4	0.15

### Typical Performance Data

Freq. (MHz)	Total Loss <sup>1</sup> (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

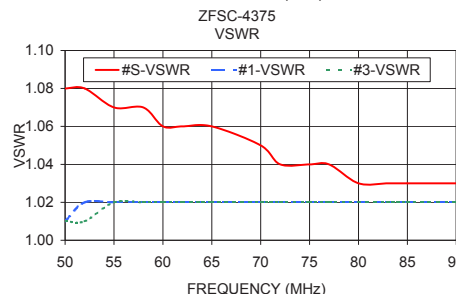
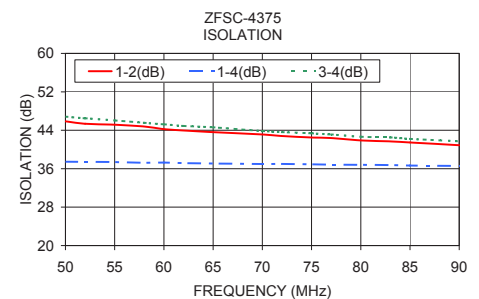
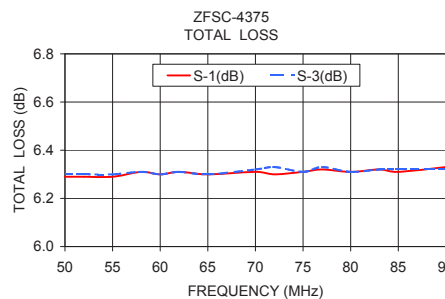
1. Total Loss = Insertion Loss + 6dB splitter loss.

### Outline Drawing



### Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H
1.25	1.25	.75	.63	.38	.61	--	.80
31.75	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



### electrical schematic



### Notes

- Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
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