

Coaxial Directional Coupler

75Ω

50 to 100 MHz

ZDC-2375



CASE STYLE: M22

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C

Coaxial Connections

INPUT	3
OUTPUT	2
COUPLED	1

Features

- excellent directivity, 35 dB typ.
- rugged shielded case

Applications

- VHF
- instrumentation
- amateur radio

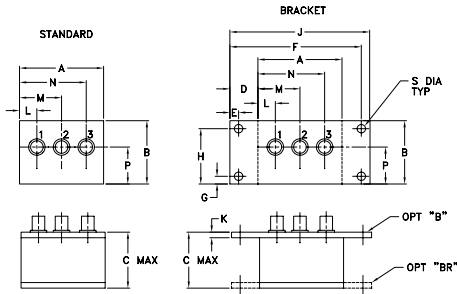
Connectors	Model	Price	Qty.
BNC	ZDC-2375	\$52.95 ea.	(1-9)
BRACKET (OPTION "B")		\$5.00	(1+)
BRACKET (OPTION "BR")		\$1.50	(1+)

Directional Coupler Electrical Specifications

FREQ. RANGE (MHz)	COUPLING (dB)		MAINLINE LOSS ¹		DIRECTIVITY (dB)		VSWR (:1)	POWER INPUT (W)
	Nom.	Flatness	Typ.	Max.	Typ.	Min.		
50-100	10.5±0.3	±0.2	1.1	1.3	35	30	1.3	4.0

1. Mainline loss includes theoretical power loss at coupled port.

Outline Drawing



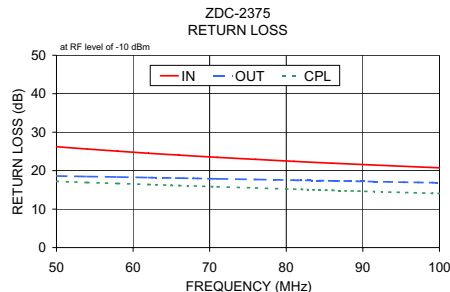
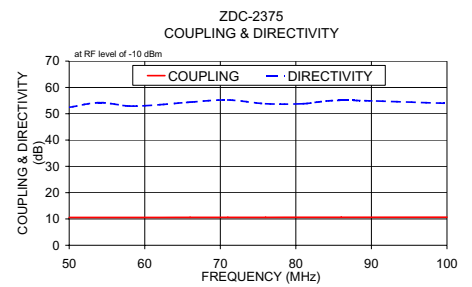
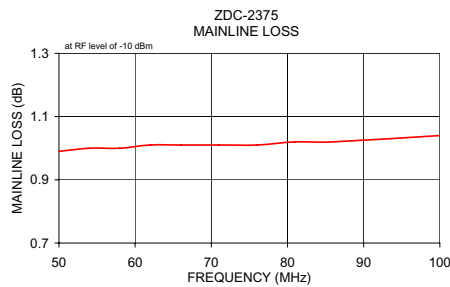
Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H
2.25	1.38	1.24	.50	.150	3.100	.138	1.238
57.15	35.05	31.50	12.70	3.81	78.74	3.51	31.45

J	K	L	M	N	P	S	wt
3.25	.10	.40	1.15	1.86	.64	.150	grams
82.55	2.54	10.16	29.21	47.24	16.26	3.81	74.0

Typical Performance Data

Frequency (MHz)	Mainline Loss (dB) In-Out	Coupling (dB) In-Cpl	Directivity (dB)	Return Loss (dB)		
				In	Out	Cpl
50.00	0.99	10.57	52.45	26.22	18.63	17.21
54.00	1.00	10.58	54.23	25.62	18.48	16.93
58.00	1.00	10.58	52.93	25.06	18.35	16.67
62.00	1.01	10.59	53.45	24.52	18.21	16.40
66.00	1.01	10.60	54.40	24.05	18.07	16.14
71.00	1.01	10.61	55.26	23.47	17.89	15.82
76.00	1.01	10.62	53.83	22.93	17.72	15.51
81.00	1.02	10.63	53.81	22.42	17.53	15.19
86.00	1.02	10.64	55.09	21.94	17.36	14.89
100.00	1.04	10.68	53.96	20.73	16.84	14.08



electrical schematic

