

# Coaxial Directional Coupler

**NEW!**  
**ZNDC-15-2G**

50Ω 15dB 800 to 2000 MHz

### Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
Power Input	3W Max.

### Pin Connections

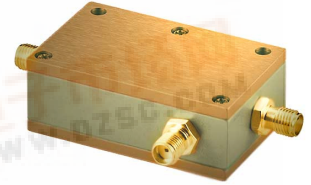
INPUT	1
OUTPUT	2
COUPLED	3

### Features

- excellent insertion loss, 0.7 dB typ.
- very flat coupling, ±0.2 dB typ.

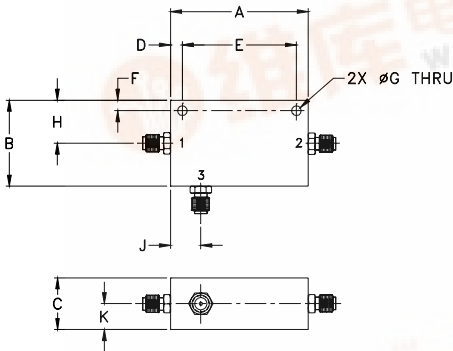
### Applications

- cellular
- PCS
- ISM



CASE STYLE: FM587  
PRICE: \$49.95 ea. QTY (1-9)

### Outline Drawing



### Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H
2.00	1.25	.75	.17	1.656	.15	.140	.63
50.80	31.75	19.05	4.32	42.06	3.81	3.56	16.00

J	K	wt.
.44	.38	grams
11.18	9.65	57

### Directional Coupler Electrical Specifications

FREQ. RANGE (MHz)	COUPLING (dB)		MAINLINE LOSS (dB)		DIRECTIVITY (dB)		VSWR (-1)	POWER INPUT (W)
	Nom.	Max. Flatness	Typ.	Max.	Typ.	Min.	Typ.	Max.
800-2000								
800-1000	15.2±0.5	±0.3	0.6	0.9	25	17	1.2	3
1000-1700	15±0.5	±0.3	0.8	1.2	22	17	1.2	3
1700-2000	15±0.5	±0.3	0.8	1.3	18	14	1.3	3

### Typical Performance Data

Frequency (MHz)	Insertion Loss (dB) In-Out	Coupling (dB) In-Cpl	Directivity (dB)	Return Loss (dB)		
				In	Out	Cpl
800.00	0.61	15.05	21.82	16.76	16.78	17.94
900.00	0.61	15.02	24.69	17.99	18.24	19.75
1000.00	0.62	14.98	28.62	19.41	19.78	21.74
1100.00	0.65	14.95	35.07	20.93	21.42	24.05
1300.00	0.70	14.89	35.05	24.28	25.40	30.01
1500.00	0.76	14.85	25.86	27.83	28.00	27.12
1700.00	0.83	14.83	20.93	29.58	26.43	21.76
1800.00	0.93	14.90	18.71	28.87	25.74	19.68
1900.00	0.95	14.89	18.39	29.56	22.52	17.83
2000.00	0.96	14.87	16.73	31.44	22.01	16.30

