

Coaxial

Directional Coupler

50Ω 15dB 800 to 2000 MHz

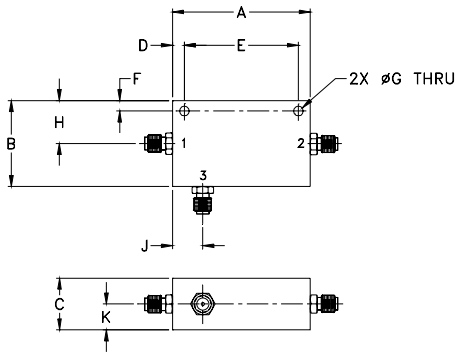
Maximum Ratings

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

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

Features

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

Applications

- cellular
- PCS
- ISM



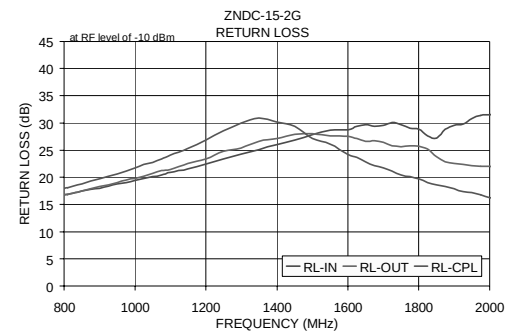
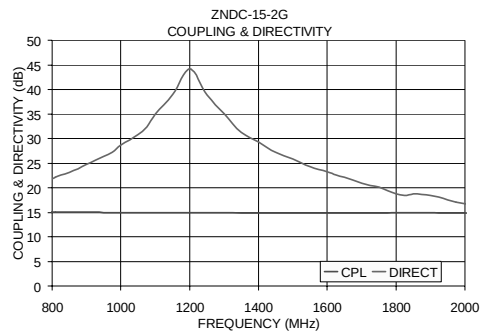
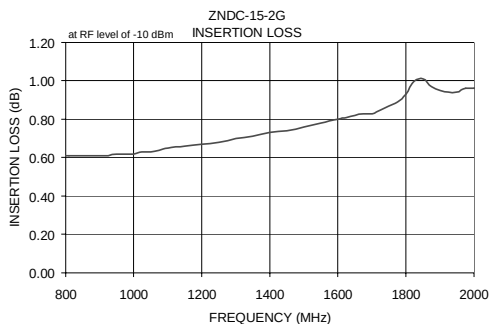
CASE STYLE: FM587
PRICE: \$49.95 ea. QTY (1-9)

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.	
800-2000								
800-1000	15.2 $\pm$ 0.5	$\pm$ 0.3	0.6	0.9	25	17	1.2	3
1000-1700	15 $\pm$ 0.5	$\pm$ 0.3	0.8	1.2	22	17	1.2	3
1700-2000	15 $\pm$ 0.5	$\pm$ 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



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ISO 9001 CERTIFIED

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