

1 GHz DIRECTIONAL COUPLERS -130 dB RFI

SOLDER BACK HOUSING



MINI DIRECTIONAL COUPLER
DCM1G - SOLDERED BACK COVER

Features:

- High Quality zinc die-cast housing
- Soldered back cover for RF shielding for -130 dB RFI.
- Full 5-1000 MHz frequency range.
- Printed circuit board ensures consistent RF performance and high port to port isolation.

General Specifications:

RETURN LOSS

5-50 MHz	15 dB
50-900 MHz	20 dB
900-1000 MHz	15 dB

TAP TOLERANCE

5-900 MHz	+1 dB
900-1000 MHz	+1.5 dB



WALL MOUNT DIRECTIONAL COUPLER
DCW1G - SOLDERED BACK COVER

Specifications: for DCM1G & DCW1G

Tap Value:	6	9	12	16	20	24	27	30
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INSERTION LOSS

5-50 MHz	2.4	1.5	1.4	.6	.6	.5	.5	.5
54-500 MHz	2.4	1.4	1.4	.8	.8	.7	.7	.7
500-900 MHz	2.5	2.1	1.8	1.5	1.2	1.1	1.1	1.1
900-1000 MHz	2.5	2.1	1.8	1.5	1.2	1.1	1.1	1.1

ISOLATION

(Tap Out)

5-50 MHz	20	24	28	30	35	39	40	42
54-500 MHz	23	28	29	33	36	39	44	46
500-900 MHz	20	25	27	30	32	34	34	35
900-1000 MHz	18	22	24	25	28	29	30	32

Specifications: for DC21G

Tap Values (dB):	9	12	16	20	24	27	30
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INSERTION LOSS

5-50 MHz	1.5	1.4	.6	.5	.5	.5	.5
54-500 MHz	1.4	1.4	.8	.7	.7	.7	.7
500-900 MHz	2.0	1.7	1.0	1.0	1.0	1.0	1.0
900-1000 MHz	2.1	1.8	1.5	1.1	1.2	1.0	1.0

ISOLATION

(Tap Tap)

5-500 MHz: 20 dB
500-1000 MHz: 15 dB

(Tap Out)

Same as Model DCM1G & DCW1G



2-PORT DIRECTIONAL COUPLER
DC21G - SOLDERED BACK COVER

Specifications: for DC41G

Tap Values (dB):	8	12	16	20	24	30
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INSERTION LOSS

5-50 MHz	2.8	1.2	1.0	.6	.6	.6
54-500 MHz	2.8	1.4	1.4	.8	.7	.7
500-900 MHz	2.8	1.5	1.6	1.0	1.0	1.0
900-1000 MHz	3.5	2.5	2.0	1.8	1.4	1.4

ISOLATION

(Tap Tap)

5-500 MHz: 25 dB
500-1000 MHz: 15 dB

(Tap Out)

Same as Model DCM1G & DCW1G



4-PORT DIRECTIONAL COUPLER
DC41G - SOLDERED BACK COVER

* Specify dB value when ordering.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE