Directional Coupler
Model: PPC-DCG-xx

A BELDEN BRAND



Technical Data

Operating Temp (˚C/ ˚F)	Impedance (ohms)	F-ports	RF Shielding (dB)	Port Coupling
-40 to 60 (-40 to -140)	75	ANSI/SCTE compliant	≥130	All ports DC blocked

TAP LOSS (+/- from Label Value)	6dB	9dB	12dB
5 - 50MHz	+/-1.3	+/-1.3	+/-1.3
50 - 400MHz	+/-1.4	+/-1.4	+/-1.4
400 - 500MHz	+/-1.4	+/-1.4	+/-1.4
500 - 600MHz	+/-1.6	+/-1.6	+/-1.6
600 - 1000MHz	+/-1.6	+/-1.6	+/-1.6
1000 - 1218MHz	+/-1.8	+/-1.8	+/-1.8
INSERTION LOSS (Max)	**6dB**	**9dB**	**12dB**
5 - 50MHz	2.3	1.4	1.2
50 - 400MHz	2.3	1.4	1.2
400 - 500MHz	2.3	1.4	1.2
500 - 600MHz	2.5	1.8	1.6
600 - 1000MHz	2.8	1.2	1.8
1000 - 1218MHz	3.3	2.1	2.0
ISOLATION (Min)	**6dB**	**9dB**	**12dB**
5 - 50MHz	22	25	27
50 - 400MHz	25	20	22
400 - 600MHz	23	20	23
600 - 1000MHz	21	19	19
1000 - 1218MHz	20	20	20

Ordering Information

Part Number	Description
PPC-DCG-6	Directional Coupler, 1218MHz, Horizontal, 6dB
PPC-DCG-9	Directional Coupler, 1218MHz, Horizontal, 9dB
PPC-DCG-12	Directional Coupler, 1218MHz, Horizontal, 12dB

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These products may be protected by one or more patents. For further information, please visit: www.ppc-online.com/patents

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