

Non-Catalog Model

Directional Coupler

RCM-12-4-75

Important Note

This is a non-catalog model and can be manufactured on specific request.
Pricing and delivery information can be supplied upon request.



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CASE STYLE : DB714

ELECTRICAL SPECIFICATIONS 75Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		20		1000	MHz
Coupling	Nominal		12.8 ± 0.5		dB
	Flatness		± 0.9		dB
Mainline Loss *	20-200 MHz		0.70	1.20	dB
	200-500 MHz		0.70	1.30	dB
	500-1000 MHz		0.80	1.50	dB
Directivity	20-200 MHz	15	20		dB
	200-500 MHz		15		dB
	500-1000 MHz		11		dB
VSWR			1.2		(:1)
Power Input	20-200 MHz		1.0		W
	200-1000 MHz		1.0		W

Notes: * Mainline loss includes theoretical coupled power loss of 0.234 dB at 12.8 dB coupling.
Derate linearly to 35% max. input power at 100°C
Aqueous washable. For non-aqueous requirements, LRDC units available in case style QQQ130.
Denotes 75 ohm models.
For PCB layout, please contact our Applications Dept. or consult our website.
For pin connection kd and lt : external resistor required

MAXIMUM RATINGS	
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C

PIN CONNECTIONS	
INPUT	3
OUTPUT	4
COUPLED FORWARD	1
NOT USED	5
75Ω TERM. EXTERNAL	6
GROUND	2

Functional Diagram

