

Features

- Wideband 800-2500MHz.
- 200W High Power.
- Low Intermodulation.
- Low Loss and flat coupling.
- Option for 7/16 Din Female (RC-5DK-xxF) or N-Female (RC-5NK-xxF).



Product Description

The RC-5NK-xxF is a wideband directional coupler specifically designed to operate in all cellular frequency bands from 800-2500MHz, including WLAN. The product is particularly suited for different levels of power coupling off a main distribution line in inbuilding systems.

Technical Specifications

Electrical

Frequency Range - [MHz]	800-2500
Input Power - [W]	≤ 200
Coupling Value - [dB]	6, 10, 15, 20
Dissipative Loss - [dB]	≤ 0.2
Total Thru Line Loss - [dB]	6dB ≤ 1.50
	10dB ≤ 0.71
	15dB ≤ 0.39
	20dB ≤ 0.30
Directivity - [dB] : 800-2500MHz	>18
VSWR	< 1.25:1
Impedance - [ohm]	50

Mechanical

Dimension (incl. conn) LxWxH - [mm]	141 x 58 x 20
Housing Material	Aluminium
Housing Colour	Grey Painted, RAL877U
Weight - [g]	200
Connector Type - Input	N-Female or 7/16 Din Female
Connector Type - Output	N-Female or 7/16 Din Female
Temperature Range - [°C]	-35 to +75
Operating Humidity - [%]	< 95
Environmental Class	Indoor

Mechanical Outline Drawing

