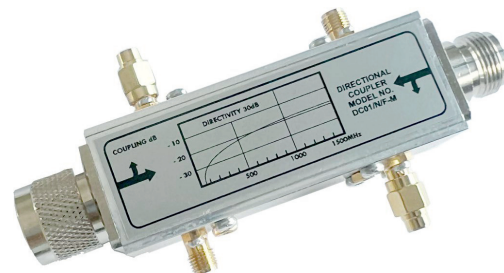




# Dual Directional Coupler

DC01/N/F-M



## Features

- Low cost
- N-type through-line connectors
- SMA coupling port connectors
- Good directivity (27dB min, 31dB max, 30dB typical)
- Low insertion loss

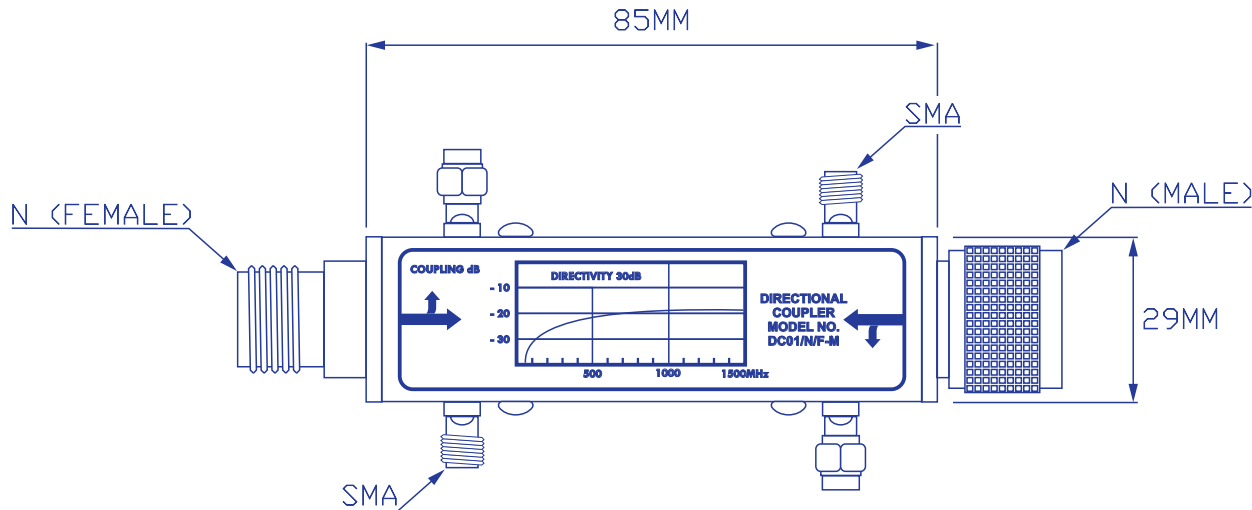
## Applications

- UK stations governed by Ofcom
- Precise transmitter SWR measurements
- FM broadcast sites
- Low power DAB sites
- Community radio

Most UK FM broadcast transmission systems, are required to have a Dual Directional Coupler installed. This is a regulatory requirement to allow system commissioning checks to be performed, and must also remain in place so that the measurements can be checked and compared again in the future.

The Ofcom Site Engineering Code for Analogue Radio Broadcast stipulates that the Coupler must have two (dual) ports, so that both Forward RF and Reflected RF parameters can be tested without interrupting the broadcast.

The DC01/N/F-M is made in the UK by Lucoro Broadcast and uses quality parts to ensure good power handling, a long service life and repeated accuracy.



## Specifications

Dimensions:	118 L x 29 W x 24 H (mm)	Impedance:	50 ohms
Weight:	0.22kg	Power:	500W (CW)
Input / Output:	N-Type connectors	Coupling:	-20dB @750MHz typical
Ports:	SMA connectors 50ohm	Directivity:	30dB @750MHz typical
Temperature:	+0° to +42°C	Insertion Loss:	<0.15dB

## Lucoro Broadcast

[www.lucorobroadcast.com](http://www.lucorobroadcast.com) [sales@lucorobroadcast.com](mailto:sales@lucorobroadcast.com)

Lucoro Ltd, Clay Pit lane, Bar lane Industrial Estate, Rocliffe, York, YO51 9FS United Kingdom

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