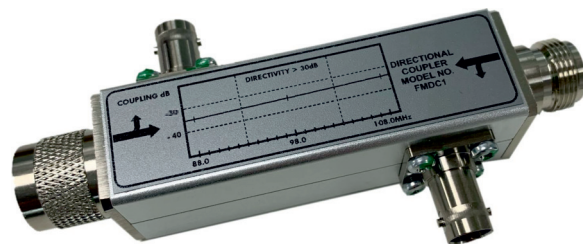




# Dual Directional Coupler

FMDC1



## Features

- Low cost
- N-type through-line connectors
- BNC port connectors
- Efficient coupling over FM Broadcast Band
- Low insertion loss

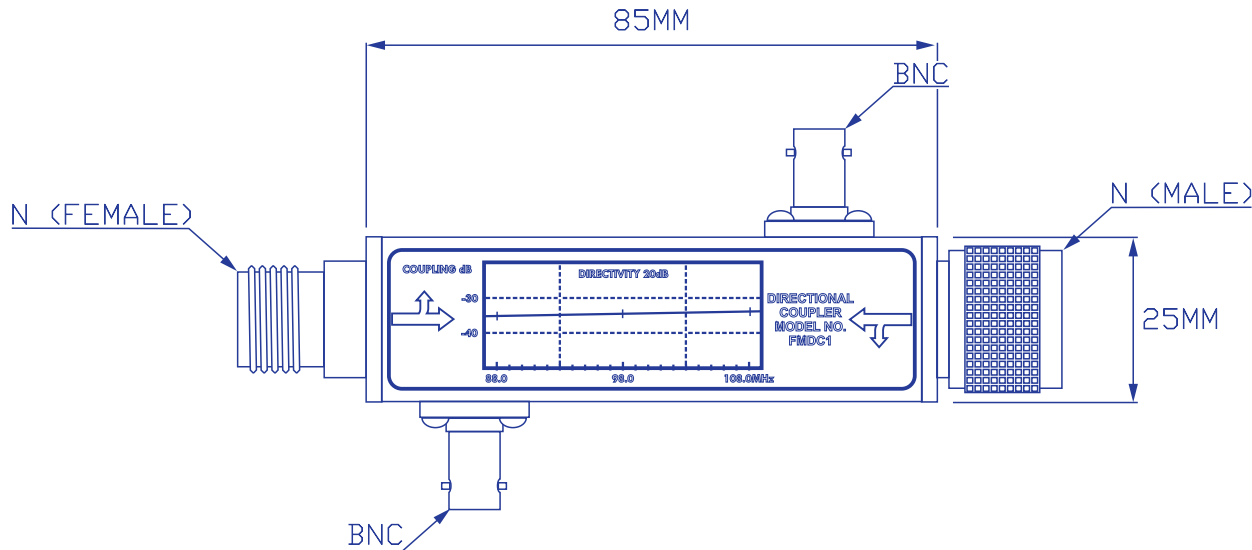
## Applications

- UK stations governed by Ofcom
- Precise FM transmitter SWR measurements
- Low Power FM broadcasters
- Community Radio FM broadcasters

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.

This low cost Coupler is made in the UK by Lucoro Broadcast. It allows precise measurements to be made and uses quality parts to ensure continual service life and accuracy.



## Specifications

Dimensions:	118 L x 26 W x 60 D (mm)	Frequency:	87.5 - 108MHz
Weight:	0.15kg	Power:	125W
Input / Output:	N-Type connectors	Coupling:	-34dB typical
Ports:	BNC connectors 50ohm	Directivity:	20dB approx
Temperature:	+0° to +42°C	Insertion Loss:	0.25dB

## Lucoro Broadcast

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