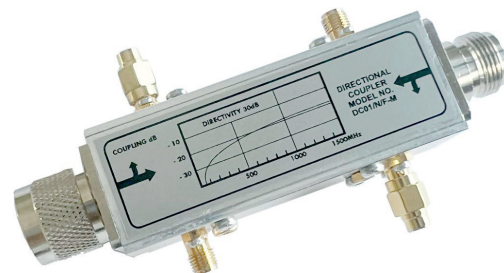




Dual Directional Coupler

DC01D/N/FM



Features

- Low cost
- N-type through-line connectors
- SMA port connectors
- Good directivity
- Low insertion loss

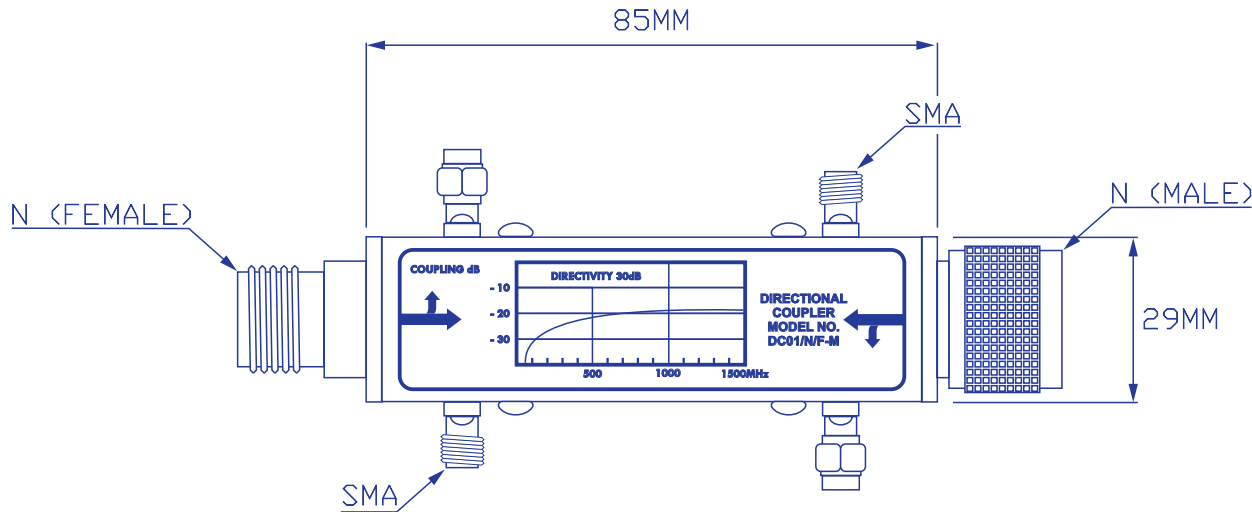
Applications

- UK stations governed by Ofcom
- Precise 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 without interrupting the broadcast.

This low cost Coupler is made in the UK by Lucoro Broadcast. It allows measurements to be made 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:	<0.2dB

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