



Blue Tops RF Modules > Couplers > Low Noise Directional Coupler LNDC

Features:

- Characterized Phase Noise
- Frequency to 1 GHz
- Modular Integrated Design
- Integral Attenuators for Flexibility

Applications:

- Low Phase Noise Amplification
- Broadband Amplification

The LNDC is a standard coupler that incorporates an integrated amplifier on the coupled port for added output power and port to port isolation. A wide selection of amplifiers and customized input/output attenuators provide flexibility in setting gain and input/output power levels. Custom connector sex allows for direct connection with other Blue Tops, saving the cost of a cable.



Typical Specifications:	
Frequency Range	5 MHz to 1 GHz
Input Level	+10 dBm, min.
Output Power (Main Line)	1.5 dBm < Input Level
Output Power (Coupled Line)	Consult Factor
VSWR	1.2:1
Port to Port Isolation	20 dB
Phase Noise (Residual)	<-165 dBc/Hz
Supply Voltage	+15 VDC
Current	<70 mA
Dimensions	1.25 x 1.25 x 0.8"
Connectors	
Power	Feed-thru Capacitor
Ground	Turret Terminal
RF Input / Output	Female SMA
CUSTOM OPTIONS	
<i>Please specify when ordering</i>	
<i>Optional Output Signal Level</i>	
<i>Your Custom Requirements</i>	

