



MLPC Series, MLPCDB800/1900S



UHF Model



Technical Data

Maximum Power Input: 150 watts
Polarization: Vertical, linear
Nominal Impedance: 50 ohms
VSWR: < 2.0:1
Mounting Method: Off-white ceiling-mounted P.A. speaker baffle
Cable: Purchase cable assembly separately

Low Profile Ceiling Mount Omnidirectional Antennas

The MLPC low profile ceiling mount antennas provide superior pattern coverage for ceiling mount applications using UHF, 800/900 MHz, PCS and WLAN frequencies. They are designed to provide industry leading wideband performance and reliability, with minimum loss and no tuning required. The innovative design of this series comprises an attractive low profile antenna installed on a standard ceiling mount public address (P.A.) speaker baffle that provides a built-in ground plane, and complements the decor in most in-building applications. They come standard with an N, female bulkhead connector, but a 12" ML195 pigtail option is also available.

Features

- Wideband coverage. No tuning is required.
- Built-in ground plane. Can be installed on any ceiling tile location without the need to provide a ground plane.
- Attractive low profile. These antennas easily complement the decor in most in-building locations.
- Excellent pattern coverage, outstanding performance and reliability.

Antenna Electrical Specifications

Model	Frequency Range	Gain
MLPC406	406-430 MHz	Unity
MLPC450	450-470 MHz	Unity
MLPC700	740-870 MHz	3.0 dBi
MLPC800	806-960 MHz	3.0 dBi
MLPCDB800/1900	806-960 MHz and 1.7-2.5 MHz	2.0 dBi (at 800 MHz) 3.5 dBi (at 1900-2500 MHz)
MLPC1700	1.7-2.5 MHz	3.5 dBi

Mechanical Specifications

Model	Connector	Dimensions	Weight (Mass)	Temperature Range
MLPC406	N, female	12.87" OD x 3.63" H	0.5 lbs (0.23 kg)	-40°C to +85°C
MLPC450	N, female	12.87" OD x 3.63" H	0.5 lbs (0.23 kg)	-40°C to +85°C
MLPC700	N, female	12.87" OD x 2.75" H (32.7 x 6.98 cm)	0.5 lbs (0.23 kg)	-40°C to +85°C
MLPC800	N, female	12.87" OD x 2.75" H (32.7 x 6.98 cm)	0.5 lbs (0.23 kg)	-40°C to +85°C
MLPCDB800/1900	N, female	12.87" OD x 1.87" H (32.7 x 4.76 cm)	0.5 lbs (0.23 kg)	-40°C to +85°C
MLPC1700	N, female	12.87" OD x 1.87" H (32.7 x 4.76 cm)	0.5 lbs (0.23 kg)	-40°C to +85°C