

Specifications



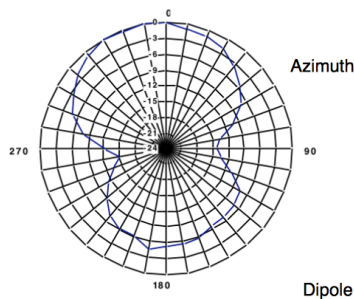
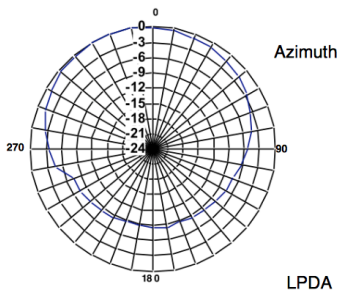
DIVERSITY FIN™

Polarization Diversity Antenna

The Diversity Fin Antenna is a multi-purpose antenna designed to be used with wireless microphone systems and other UHF receivers incorporating dual branch diversity reception, and comprises orthogonal directional LPDA and bi-directional dipole elements in order to eliminate multi-path fade. One element captures vertically polarized waves, and the other horizontally polarized waves—achieving optimal polarization diversity reception and improving signal constancy in indoor and reflective environments.

Connect two receiver (or antenna distributor) branches to the Diversity Fin via coaxial cables (not supplied).

The Diversity Fin has found widespread adoption across multiple pro audio segments for its performance, convenience, space, and cost benefits.



The Diversity Fin has two elements and requires two coax cables (not included).

Electrical

Operating frequency	470–698 MHz
Bandwidth.....	228 MHz
Average return loss	-9.4 dB
Impedance	50Ω

LPDA

Beam width.....	140° azimuth
F/B ratio.....	-8 dB
F/S ratio	-5 dB
Gain	5 dBd

Dipole

Beam width.....	100° azimuth
F/B ratio.....	-5 dB
F/S ratio	-13 dB
Gain	1.8 dBd

Physical

Length.....	300mm
Height.....	370mm
Weight.....	454g
Mount threads	1/4-20, 3/8-16, 5/8-27
Operating temperature.....	-23°C–54°C
Color	Black or white
Connector(s).....	(2) BNC female