

LMDS Hub Antennas

Dorado International has announced the introduction of over 50 new CSC² LMDS Sector Horn antennas for stand-alone point to multipoint applications or for integration with base station (hub) electronics. Designed for all LMDS Bands including 24.25 to 27 GHz, 27.5 to 29.5 GHz, 31.0 to 31.3 GHz, 37 to 40 GHz and 40 to 43.5 GHz in both vertical and horizontal polarizations.

The choices of azimuth (sector) beamwidths include 30°, 45°, 60°, 90° and 360°. Many unique features include built in elevation down tilt for greater concentration of energy and a null filling CSC² pattern to provide maximum and uniform coverage from the horizon to below the antenna site. The enclosed photo displays the Model SHC28-60V, a vertically polarized 19.5 dBi sector horn antenna with 60° azimuth beamwidth for the 28 GHz LMDS band. The size of Model SHC28-60V is only 13 inches x 7 inches x 2 inches (33 x 18 x 5 cm).

The gain options for these antennas are between 18 and 21 dBi for all LMDS frequencies. The inputs are in WR-42, WR-34, WR-28 and WR-22 waveguide with an optional Type K coax connection available.

All of the sectors horn antennas meet all U.S. and European LMDS (ETSI) regulations and antenna pattern requirements.

The most important feature of this high performance antenna is it's low cost for both low and high quantities.

Source URL (retrieved on 01/27/2015 - 9:33am):

http://www.wirelessdesignmag.com/product-releases/2001/02/lm-ds-hub-antennas?qt-most_popular=0&qt-blogs=0