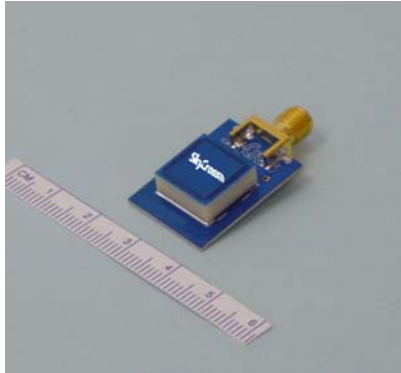


5.8 GHz Surface Mountable LAN Monopole Antenna for 802.11a and HiperLAN2 Wireless Applications



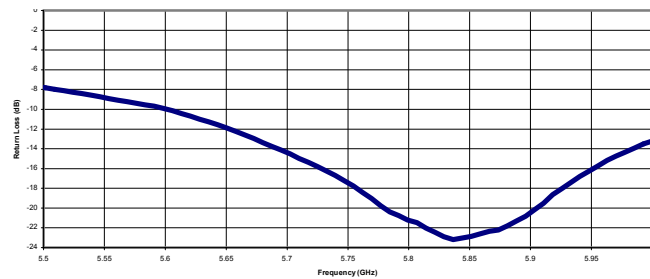
Features

- *Very Efficient MLA Technology*
- *U-NII/HiperLAN2 Band*
- *Omni-Directional Pattern*
- *Peak Gain +1 dBi*
- *Low Profile for Embedded Applications*

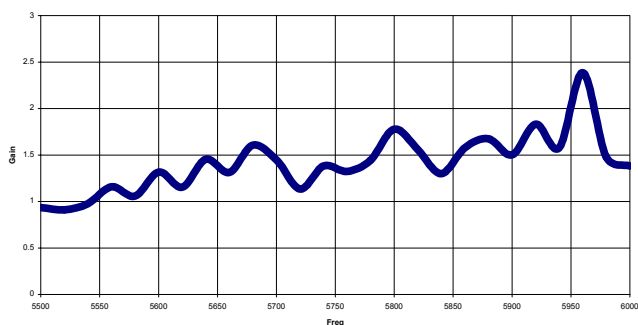
This 5.8 GHz WLAN antenna is designed using SkyCross' patented MLA technology, providing superior efficiency and gain directivity in a small package. This antenna is the best performance solution for developers implementing high data rate WLANs in the upper frequency bands.

Electrical Specifications	
Frequency Range	5.8 MHz
Gain	+1 dBi Minimum Peak Across Band
VSWR	< 2.0:1
Polarization	Linear
Radiation Pattern	Azimuthal Omni-directional
Feed Impedance	50 Ohms Unbalanced

Typical Return Loss

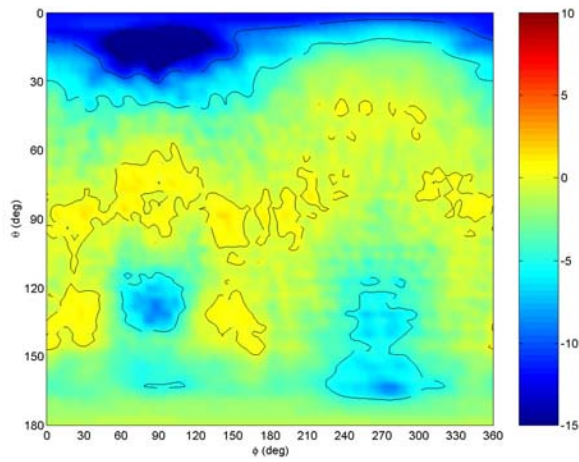


Swept Gain

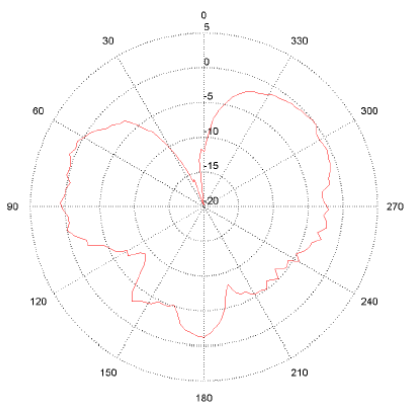


Mechanical Specifications	
Size	0.5 x 0.5 x 0.2 in 13 x 13 x 5.2 mm
Weight	2.0 g*
*weight does not include ground plane or connector	

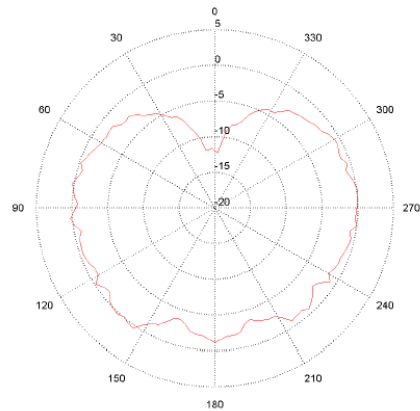
Spherical Gain Contour Map



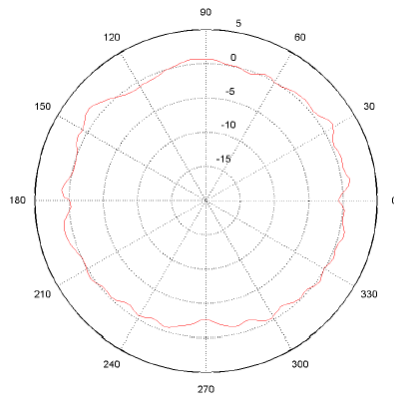
Typical Gain Pattern



Elevation Cut
 Phi = 90 degrees

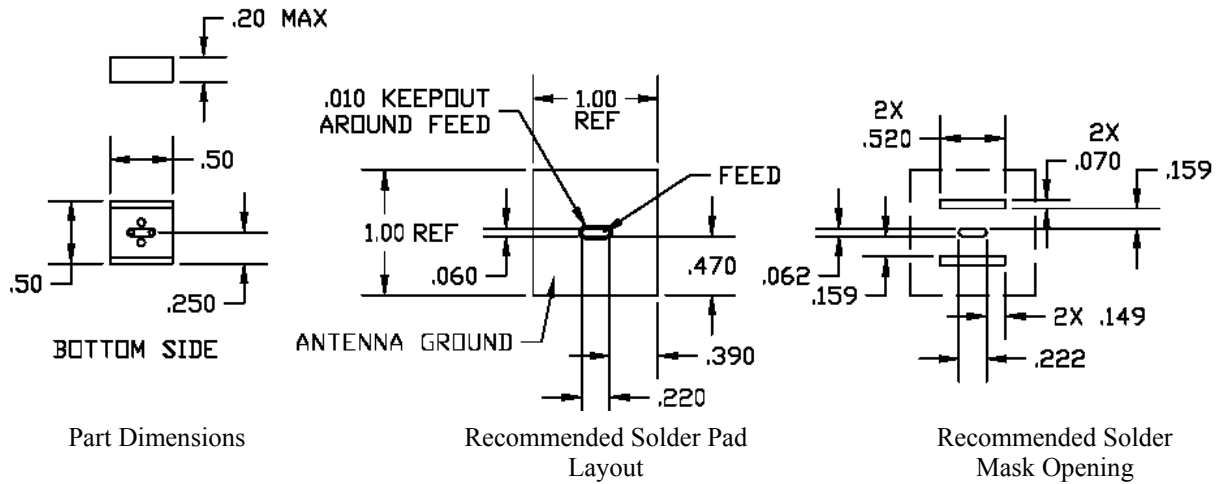


Elevation Cut
 Phi = 0 degrees



Azimuthal Cut
 Theta = 90 degrees

SMT-5800-M Footprint Details



2 Place Dim	3 Place Dim	Angular
XX ±.01	XXX ±.005	±.05