

## 2.4 GHz Sphere

### Omnidirectional In-Building Antenna

#### Specifications:

<b>Element Type</b>	Air-Loaded Patch
<b>Frequency Range</b>	2.4 – 2.5 GHz
<b>Peak Gain</b>	3 dBi
<b>Polarization<sup>1</sup></b>	Linear
<b>Impedance</b>	50 ohms
<b>Maximum Input Power</b>	50 watts
<b>VSWR (Min. Performance)</b>	1.5:1
<b>Dimensions (L x W x H)</b>	6.4 x 6.3 x 1.7 cm
<b>Housing</b>	ABS
<b>Operating Temperature</b>	-40° to +70°C
<b>Storage Temperature</b>	-40° to +70°C

<sup>1</sup>Contains both vertical and horizontal components, the ratio of which varies with the spatial location.



#### Mounting:

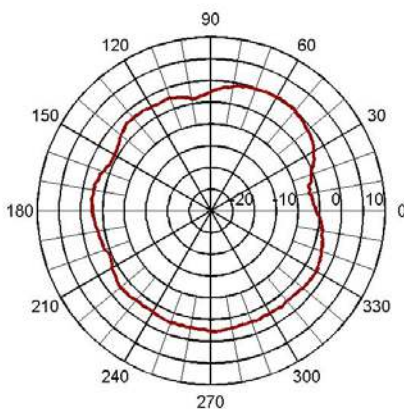
- Includes metal clip for mounting to a ceiling tile grid

#### Cables & Connectors:

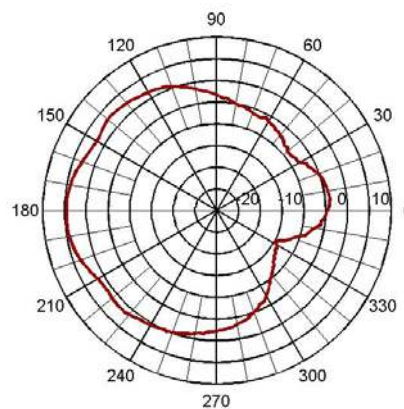
Model #	Reference #	Plenum Rated Coax	Connector
<b>IO2450-NF06</b>	CAF94166	6" RG-142	N-Female
<b>IO2450-NF12</b>	CAF94170	12" RG-142	N-Female
<b>IO2450-RN12</b>	CAF94120	12" RG-142	RP-N-Female
<b>IO2450-SM12</b>	CAF94101	12" RG-142	SMA-Male
<b>IO2450-MX17</b>	CAF95991	17" RG-142 & RG-316	Straight MMCX Plug
<b>IO2450-LU18</b>	CAF95977	18" RG-142 & RG-178	Straight Lucent Plug
<b>IO2450-NM18</b>	CAF94119	18" RG-142	N- Male
<b>IO2450-RT36</b>	CAF94150	36" RG-142	RP-TNC
<b>IO2450-RT60</b>	CAF94674	60" RG-142	RP-TNC
<b>IO2450-RT84</b>	CAF94672	84" RG-142	RP-TNC



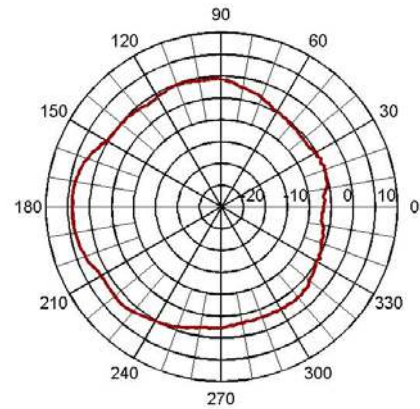
Pattern data files for LANPlanner are available at  
[www.centurion.com](http://www.centurion.com) or  
[www.wirelessvalley.com](http://www.wirelessvalley.com).



**Azimuth**



**Elevation Plane**  
phi=0



**Omni Plane**  
phi=90

Specifications subject to change without notice.

IO2450a - 4/12/04