

Kathrein Scala's omnidirectional antennas for wireless, paging, SMR and mobile applications are extremely robust, using the finest fiberglass, brass, and aluminum. Applicable mounting hardware is fabricated from stainless steel. Many models may be mounted inverted. Higher gain antennas can be provided with downtilt, as well.

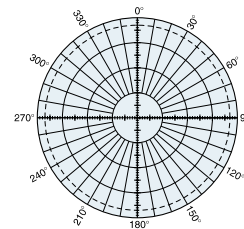
- Wireless
- Paging
- SMR
- Land Mobile
- ISM

**Specifications:**

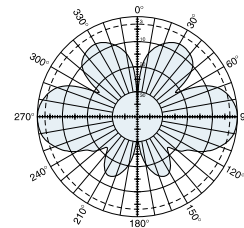
Frequency range	824–894 MHz (broadband)
Gain	5 dBi
Impedance	50 ohms
VSWR	< 1.5:1
Intermodulation (2x20w)	IM3: <-150dBc
Polarization	Vertical
Maximum input power	250 watts (at 50°C)
H-plane beamwidth	Omni
E-plane beamwidth	30 degrees (half power)
Connector	N or 7-16 DIN female
Weight	3 lb (1.4 kg)
Height	29.7 inches (754 mm)
Radome diameter	0.83 inches (21 mm)
Equivalent flat plate area	0.166 ft <sup>2</sup> (0.015 m <sup>2</sup> )
Wind survival rating*	120 mph (200 kph)
Shipping dimensions	36 x 6 x 5 inches (914 x 152 x 127 mm)
Shipping weight	5 lb (2.3 kg)
Mounting	For masts of 1 to 2.375 inches (24 to 60 mm).

*See reverse for order information.*

\* Mechanical design is based on environmental conditions as stipulated in EIA-222-F (June 1996) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. See the Engineering Section of the catalog for further details.



H-plane  
Horizontal pattern  
V-polarization

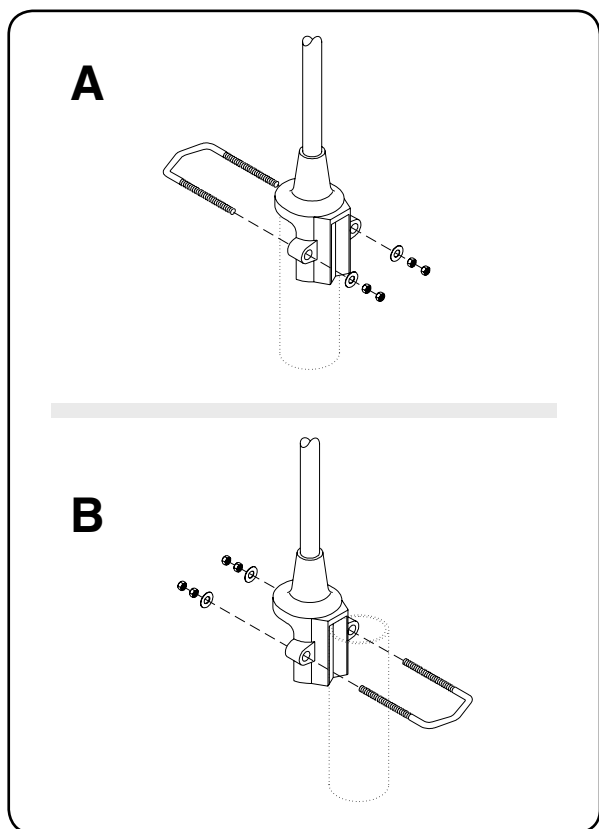


E-plane  
Vertical pattern  
V-polarization



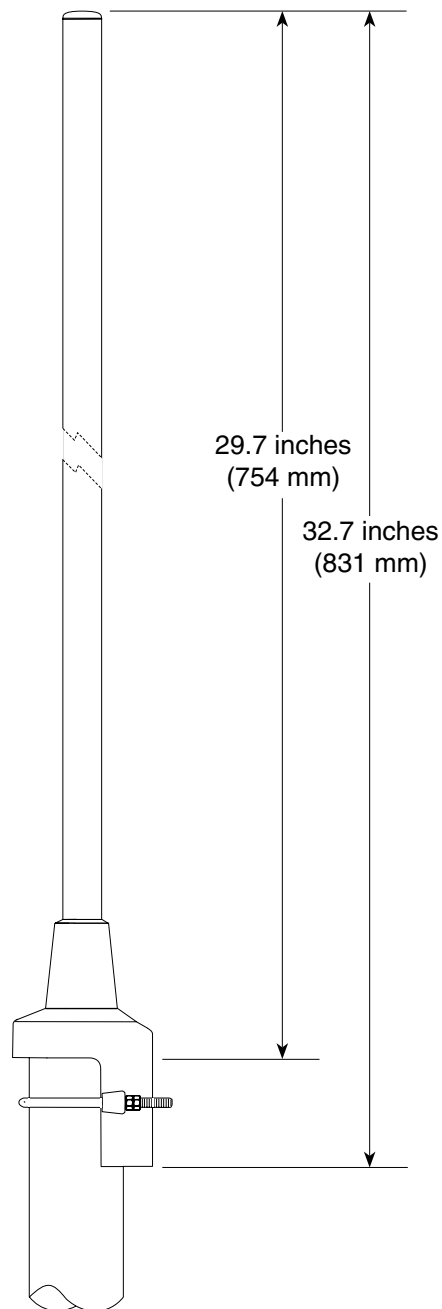
10070-F





**Mounting Options:**

	Description
A	Mounting for 1.9 to 2.375 inch (48 to 60mm) OD mast
B	Mounting for 1.0 to 1.9 inch (24 to 48mm) OD mast



**Order Information:**

Model	Description
OGC3-825N	Antenna with N connector 0° electrical downtilt
OGC3-825D	Antenna with 7-16 DIN connector 0° electrical downtilt

All specifications are subject to change without notice. The latest specifications are available at [www.kathrein-scala.com](http://www.kathrein-scala.com).

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