



UHF727M

### Application

UHF727 is a stacked dipole antenna designed for 2G to 5G cellular technology. It is a high quality antenna with a durable construction and a beautiful finish for installation on all kinds of vessels. The UHF727M base design allows for mounting onto a vertical or horizontal pole, as well as bolting directly onto a bulkhead. The UHF727BI has a UNS 1"×14 female thread, the UHF727P has a BSP 1"×11 female thread. Both are compatible with standard marine mounting accessories

### Electrical specifications:

	UHF727M / UHF727P	UHF727BI
Frequency range	700-5900 MHz	700-5900 MHz *
VSWR	1.9:1 (nominal), 3.5:1 (max)	700-2700 MHz 1.9:1 (nominal), 3.5:1 (max) 2700-5900 MHz * 5:1 (max)
Nominal impedance	50Ω	50Ω
Power rating	40W	40W
Gain	3 dBi (nominal)	3 dBi (nominal)
Radiation pattern	Omnidirectional	Omnidirectional
Polarization	Vertical	Vertical
Connector	N Type Female	BNC Female

\* UHF727BI - Reduced performance from 2700-5900 MHz



UHF727P



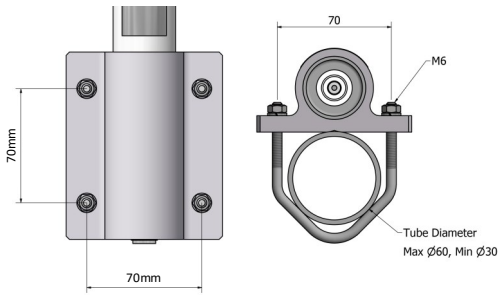
UHF727BI

### Mechanical specifications:

Design	Stacked dipole elements. Radiating elements completely enclosed in epoxy/fiberglass laminate. Metal parts are brass, aluminum and stainless steel.
Dimensions	50cm (20 in) tall, Ø38mm
Weight	1.0 kg (2.2 lbs)
Mounting	See page 2
Wind rating	55m/s (123 mph)
Finish	Polyurethane lacquer
Temperature range	-55°C to +71°C, -67°F to +160°F

# Antenna Mounting Configurations

## UHF727M (N female connector)



### Tube or wall mount

UHF727M is mounted to the bulkhead by means of 4 holes in the aluminium bracket, or to a mast or tube with U-bolts. The tube may be horizontal or vertical. Stainless steel U-bolts are included.

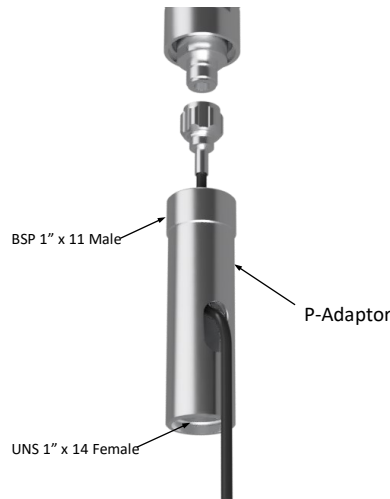
## UHF727P (N female connector)



### BSP 1" x 11 female nut mount

To be mounted on a superstructure with BSP 1" x 11 male thread.

To enable the cable feed to exit above the mounting structure, a P-Adaptor is required (see below).



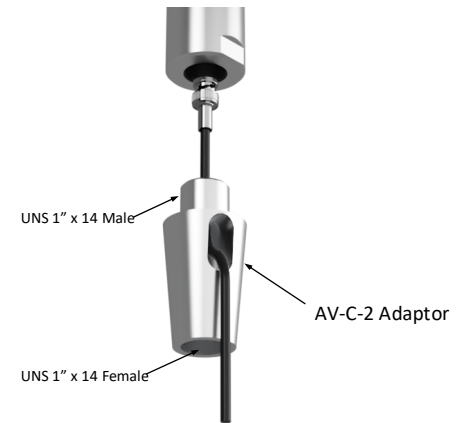
## UHF727BI (BNC female connector)



### UNS 1" x 14 female thread mount

To be mounted on a superstructure with UNS 1" x 14 male thread.

To enable the cable feed to exit above the mounting structure, an AV-C-2 adaptor is required (see below).



The BI version is supplied with a tool to fit the BNC male coaxial connector inside the antenna base ferrule.



## Mounting Accessories

Comrod has a range of antenna mounting brackets and adaptors for P series and BI series antennas. Please visit Comrod website [www.comrod.com](http://www.comrod.com) for more details or email [sales@comrod.com](mailto:sales@comrod.com)



4-Way Adaptor



Straight Adaptor