

A6 KNS Ku-Band : Communications SuperTrack A-Series

KNS has recently developed a cost efficient exclusive antenna series in collaboration with ASTRA Broadband Services, Europe's Leading provider of satellite services and the H2O satellite. The SuperTrack A-Series service package enables maritime customers to not only benefit from an "always on" internet connection and VoIP services but also to cut down on the high cost of equipment and services.

The SuperTrack A-Series supports various applications including internet access, email, data transfer capabilities, web surfing, VoIP VPN security, etc. The A-Series is suitable for merchant vessels, fishing and offshore vessels, luxury yachts, Leisure boats and more.

KNS A-Series is also available from KNS Europe distribution center in Rotterdam, The Netherlands.



► Standard Features

- Always-on connectivity for broadband and VoIP
- Flat monthly rate
- High performing in motion maritime antenna
- Brake System
- European coverage
- First class distribution network
- CE R&TTE Certified

Meets FCC and CE requirement

ABOVE DECK

Dish Diameter	61cm (24")
Antenna Dimension⁽¹⁾	84cm(H) x 85cm(D)
Antenna Weight⁽²⁾	38kg
Radome Material	Honeycomb FRP
Frequency	TX : 13.75 ~ 14.5GHz RX : 10.95 ~ 12.75GHz
Antenna Gain**	Tx : 36.4 dBi @ 14.25 GHz Rx : 35.1 dBi @ 11.7 GHz
G / T	14.8dB/K (in Radome) @ 30deg. Elevation angle and 11.7GHz, Clear Sky
iLNB(Integrated LNB)	BUC : 0.5W, 0.8W*(optional) LNB : Linear / Internal PLL Gain : 60dB type
Operating Platform	3-Axis (Yaw, Level, Cross)
Skew Control	Automatic
Elevation Angle	-10° to +100°
Azimuth Range	640°
Cross Angle	± 35°
Ship's Motion	Roll : ±20° at 8-12 sec periods Pitch : ±10° at 6-12 sec periods Yaw : ±8° at 15-20 sec periods
Tracking Speed	More than 90° /sec
Vibration Damper	Rubber Damper included
Temperature	-20°C to 55°C

Humidity	Up to 100% @ 40° C
Antenna Input Power	24V $\overline{=}$, 4.17A

BELOW DECK

ACU Size	250 x 153 x 50mm
Gyro Compass Input	Gyro Interface NMEA 0183
Input Power	100 to 240V~, 50/60Hz, 2.8A max.
Output Power	24V $\overline{=}$, 4.17A
External I/O	Console port, Mini-USB

PACKING

Size	85 x 85 x 112 cm
Gross Weight	55kg
Packed by	Paper carton
Certification / Qualification	CE 0678Ⓞ

WARRANTY INFORMATION

KNS offers **2-year parts, 1-year onboard labour warranty** for the SuperTrack series

*Specifications subject to change without notice

(1), (2) Radome included

**Measured with Radome