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GmbH

Entwicklungs- und Produktionsgesellschaft für
Automobil- und Kommunikationselektronik mbH

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Technical Data

EPAK ® TV 59 Quattro EU

Maritime TV Tracking Antenna

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Data sheet for EPAK® TV59

Maritime TV tracking Antenna

Antenna:

Type:	Fully automated maritime TV tracking antenna 2-axes servo belt
Azimuth turns:	unlimited (Rotary Joint)
Antenna Elevation Range:	5° to 90°
Polarisation Angle:	Range is +/- 120°
Reflector:	60cm, Cassegrain
LNB output:	Quattro
Feed:	included
GPS:	included in antenna
Power supply:	12-36V DC
Weight:	about 16kg (ODU)
Radome Diameter:	71cm
Radome Height:	69cm
Minimum EIRP:	48dBW
Lock on Time:	20 sec.

Control Unit:

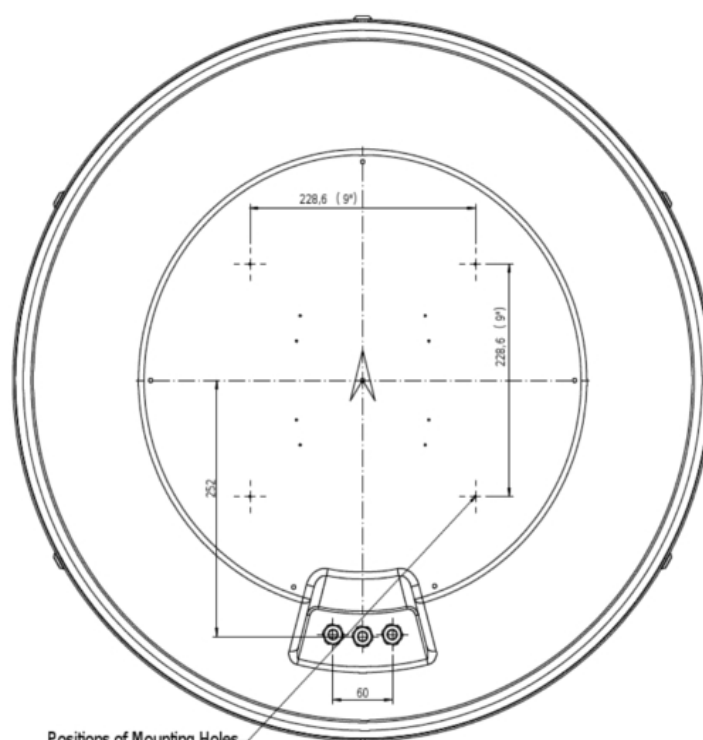
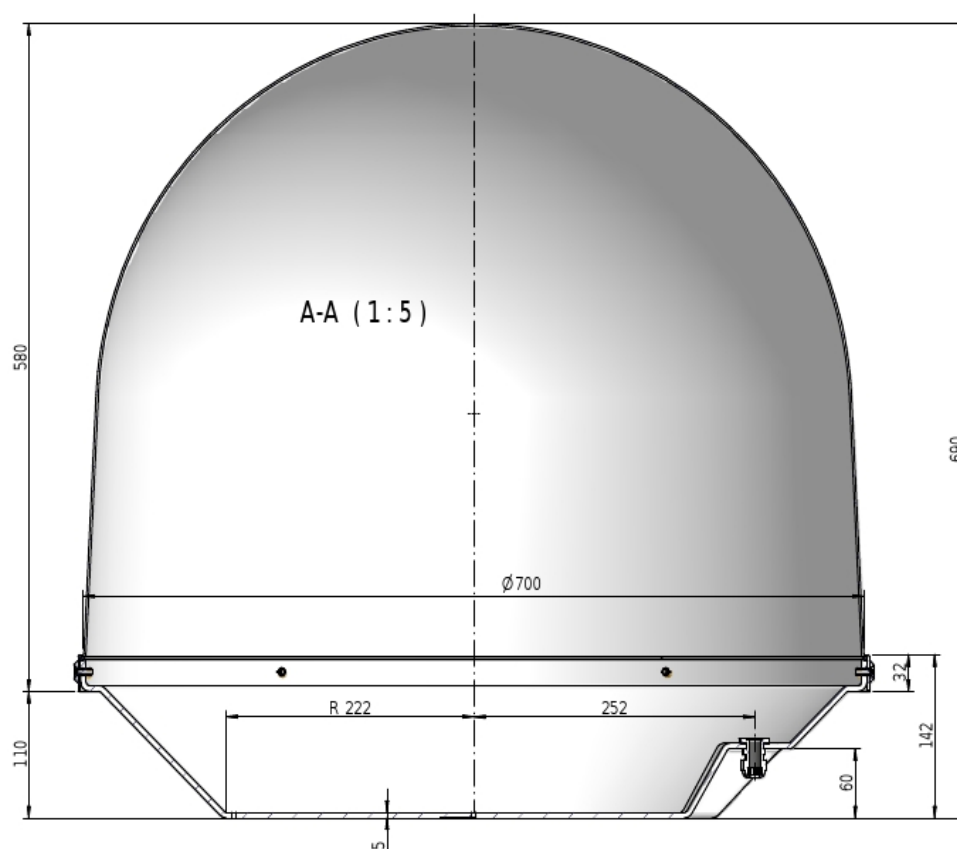
Power supply:	12-20 VDC, 100mA, powered by receiver
Satellite Acquisition:	completely automated by SatFingerprint technology
Satellite Positions:	4
Number of Preconfigured Satellites:	20
Satellite Selection:	by control unit or by DiSEqC – receiver
Operation temperature:	0° to 40°
Storage temperature:	-30° to 85°

Tracking Parameters:

external interface:	no external interface for tracking necessary
Tracking Speed:	up to 40°/ second
Polarisation angle tracking:	manually
Azimuth tracking:	fully automated
Elevation tracking:	fully automated
Tracking Sensors:	Electronic Beamforming (EBF-Gyro) for Tracking during present sat signal/ Solid State Sensor for tracking during blocked sat signal
EBF-Sensor Rate (refresh):	12.5 msec (80 times per second)

The Antenna will be delivered in a cardboard box.

Dimensions EPAK® TV59 (ODU)



Positions of Mounting Holes
(Diameter: 8.5 ... 9.0 mm)