

**SAAB**

COTS-Datasheet

Product
VHF Antenna
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Page
1 (1)
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Saab TransponderTech AB

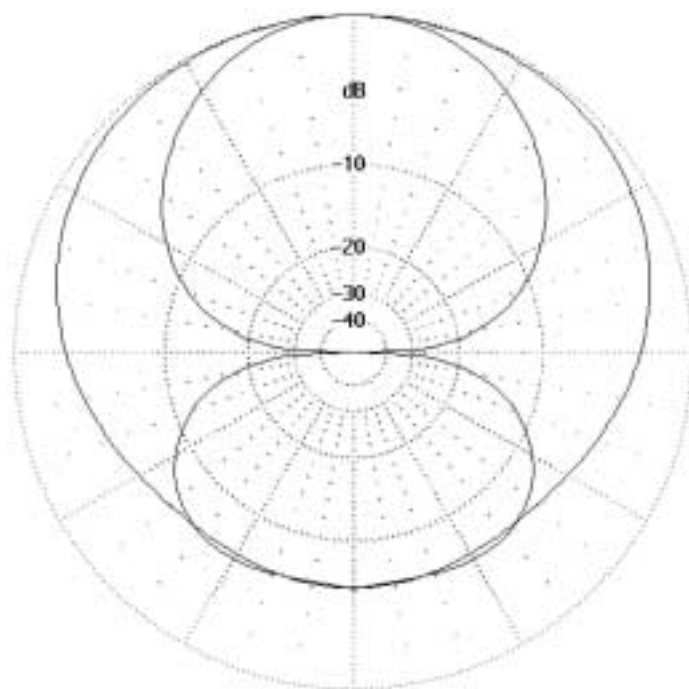
MODEL	Saab VHF ANTENNA BA1012
Saab Part Number	7000 000-077
ANTENNA TYPE	End-fed 1/2 wave coaxial dipole antenna. Full omni-directional radiation pattern * DC-grounded (DC-short)
FREQUENCY	146-163 MHz
IMPEDANCE	Nom. 50 Ω
POLARISATION	Vertical
GAIN	0 dBd (2,15 dBi)
BANDWIDTH	17 MHz
VSWR	< 1.5
MAX. POWER	100 Watt
COLOUR	White / chrome
LENGTH	Approx. 1.300 mm (bracket not included)
SHIPPING WEIGHT	Approx. 1,600 kg (bracket included)
MOUNTING	On tube (max. $\varnothing$ 75 mm / G 2 1/2')
MATERIAL	Antenna: PU-painted heavy duty glass-fibre radome and chrome plated brass base. Bracket: PU-painted solid brass with stainless steel mounting hardware.
MTBF	> 50 000 hours
Max Wind Speed	198 km/h (55 m/s)
TEMPERATURE	-30 to + 70° C
CONNECTOR	UHF (female)
CABLE	No cable supplied





VHF antenner 108 - 174 MHz

Aerial Oy Side Mounted Dipole AV1312-2



Frequency ranges	146-174 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	2-4 dBi (dependent on mounting)
E-plane 3 dB beamwidth	70°
H-plane 3 db beamwidth	Dependent on mounting
Front to back ratio	Dependent on mounting
Max continous power	0,5 kW
RF-connector	N female or 7/16 female
Wind area	0,05 m ²
Dimensions (H x W x D)	824 x 520 x 40 mm
Weight	3 kg
Mounting diameter	Ø 30 – 115 mm pipe
Materials	Aluminium, plastic
Options	

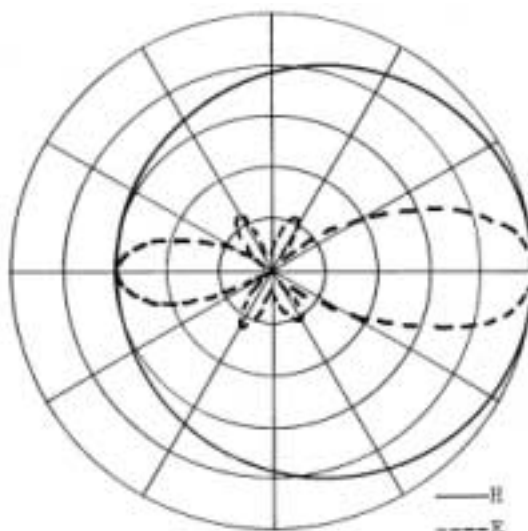
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VHF antenner 108 - 174 MHz

Aerial Oy Medium gain dipole AV1431



Frequency ranges	146-174 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	7 dBi
E-plane 3 dB beamwidth	40°
H-plane 3 db beamwidth	Dependent on mounting
Front to back ratio	Dependent on mounting
Max continous power	0,5 kW
RF-connector	N female or 7/16 female
Wind area	0,25 m ²
Dimensions (H x W x D)	3000 x 400 x 60 mm
Weight	7 kg
Mounting diameter	Ø 30 – 115 mm pipe
Materials	Aluminium (EN-AW 6063), Plastic (70% glassfiber, 30% nylon)
Options	AV1341-St (Hot Dip galvanised steel) AV1431-100° (100° spec.)

V 000603

