Base Station and Marine DAB Antenna with Low Weight and Wind Load

DESCRIPTION

- The dimensions of this base station, marine and receiving DAB (Digital Audio Broadcast) antenna are kept as small as possible to reduce weight, wind load and cost.
- Despite the small dimensions the efficiency is very high.
- The tapered ½ λ stainless steel radiator together with the chromed brass housing and stainless steel corner bracket constitute an antenna tough and ready to cope with the corrosive environment at the masthead.
- The end-fed dipole principle makes the antenna independent of ground-plane, radials or other auxiliary arrangements.
- The antenna whip should not be mounted parallel or near other metal parts, such as windex, supporting wires etc. Free mounting and as high as possible is preferable, otherwise the VSWR and the radiation diagram will be influenced.

SPECIFICATIONS

Electrical	
Model	MA DAB SC
Frequency	223 - 240 MHz
Antenna Type	Dipole, end-fed
Max. Input Power	25 W
Polarisation	Vertical
3 dB Beamwidth, H-Plane	Omnidirectional
Impedance	50 Ω
Gain	0 dBd (2.2 dBi)
VSWR	< 1.3 at f.res
Bandwidth	17 MHz
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)

Mechanical	
Connection(s)	UHF(f)
Materials	Shroud : Stainless steel Housing: Chromed brass
Colour	Metallic Silver
Wind Area	0.0076 sq. m / 0.08 sq. ft
Wind Load	9.6 N (160 km/h)
Height	Approx. 800 mm / 31.50 in.
Weight	Approx. 0.265 kg / 0.58 lb.
Mounting	With fast screws, rivets or binders

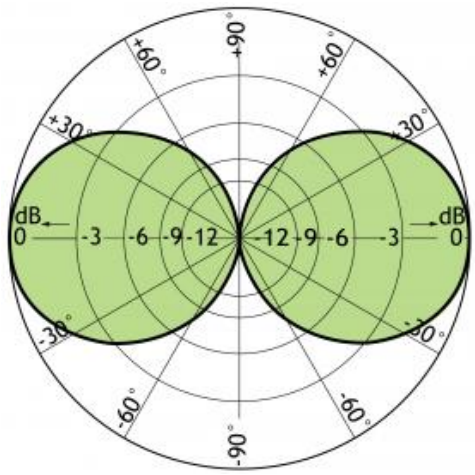
Environmental	
Operating Temperature Range	-30 °C to +70 °C

ORDERING

Model	Product No.
MA DAB SC	100000085

TYPICAL GAIN AND VSWR CURVE

TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)