

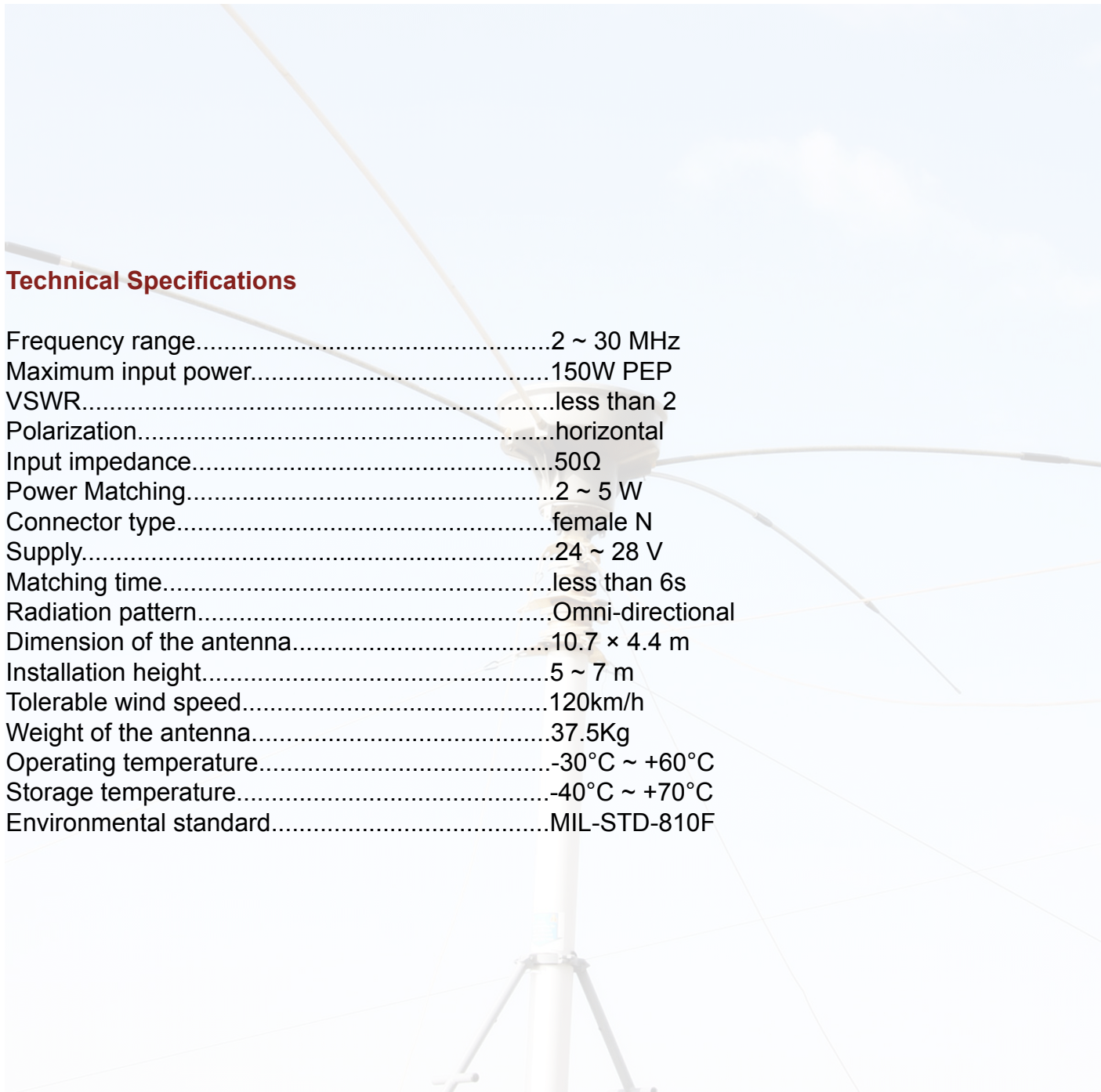


ODA-210/E

HF Omni-Directional Base Station Antenna

ODA-210/E as an X-type antenna with Omni-directional pattern is used for establishing high quality and reliable communication in short/medium distances. This antenna includes three main parts that are radiation rods, Antenna Tuning Unit (ATU), and balloon. High radiation angle in less than 8Hz and installation height of 5 ~ 7 m can provide the NVIS communication capability. In this antenna, no individual control line is used for sending the commands to the antenna control unit and all information are sent via the RF supply cable connected to the antenna.

Technical Specifications



Frequency range.....	2 ~ 30 MHz
Maximum input power.....	150W PEP
VSWR.....	less than 2
Polarization.....	horizontal
Input impedance.....	50Ω
Power Matching.....	2 ~ 5 W
Connector type.....	female N
Supply.....	24 ~ 28 V
Matching time.....	less than 6s
Radiation pattern.....	Omni-directional
Dimension of the antenna.....	10.7 × 4.4 m
Installation height.....	5 ~ 7 m
Tolerable wind speed.....	120km/h
Weight of the antenna.....	37.5Kg
Operating temperature.....	-30°C ~ +60°C
Storage temperature.....	-40°C ~ +70°C
Environmental standard.....	MIL-STD-810F