

VERSION: 1.0

## 30-90 MHz Wire Discone Antenna

30 – 90 MHz

## Product Code: RDA30-90

## SPECIFICATIONS:

| Alaris Product Code:   | RA24-0101-01              |
|--|---------------------------|
| Electrical:  |                           |
| Frequency range  | 30 – 90 MHz               |
| Power input  | 100 W                     |
| VSWR   | < 2.5:1                   |
| Gain   | 0 – 2dBi                  |
| Nominal input impedance                                      | 50 Ω                      |
| Pattern  | Omni-directional          |
|  |                           |
| Mechanical:  |                           |
| Dimensions   | Height: 2.7m              |
| Dimensions   | Width: 2m                 |
| Total mass   | Antenna: 2.2kg            |
|  | RSM-6 Companion Mast: 3kg |
|  |                           |
| Environmental: designed to meet the following specifications |                           |
| Designed to comply with MIL-STD-810F                         |                           |

## **PRODUCT DESCRIPTION:**

The RDA30-90 is a lightweight wideband VHF wire 'disc-cone' antenna, operating in the 30 - 90 MHz frequency range, ideal for static mobile and man-portable applications.

The disc elements are made of fibre glass composite, ensuring low weight and high strength for the roughest of conditions.

The cone radials are plastic coated wire and also serve as the guy ropes when used with the companion RSM-6 portable mast.

Each RDA30-90 is supplied in a handy canvas bag for easy transport and storage.

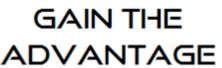
For base station applications where integral guy ropes are not required, the wire radials/ropes are replaceable with fibre glass composite elements, for use where the mast is self-supporting. (RDA30-90S)



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Updated 2015-08-07

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