

Discone 1_6

Discone Antenna | 1-6 GHz
Antenna & Microwave Lab., Shahrood University of Technology

ELECTRICAL DATA

Type	Discone
Frequency range	1 - 6 GHz
Input Impedance	50 Ω
Polarization	Linear (Vertical)
Max Gain	0 dBi
Front to Back ratio	≥ 12 dB
VSWR	≤ 2
Max Power	≤ 200 watts
Connector	N_female

MECHANICAL DATA

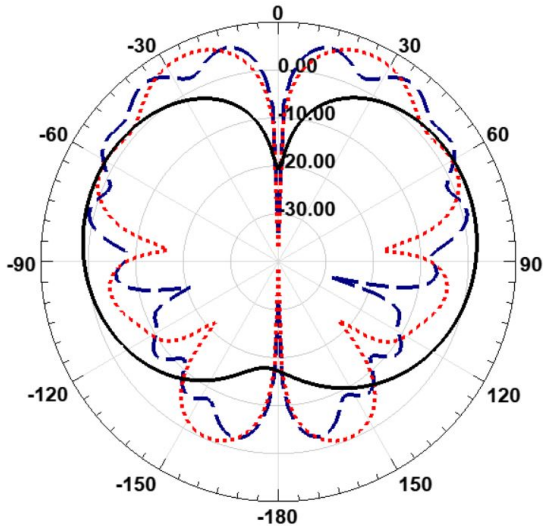
Elements & boom Material	Aluminum
Weight	1.5 Kg
Overall length	148 mm
Overall height	120 mm
Wind rating	100 Km/h
Operating temperature	-35 to +60 Degrees Celsius
Coating (color)	Anodized (Silver or black)

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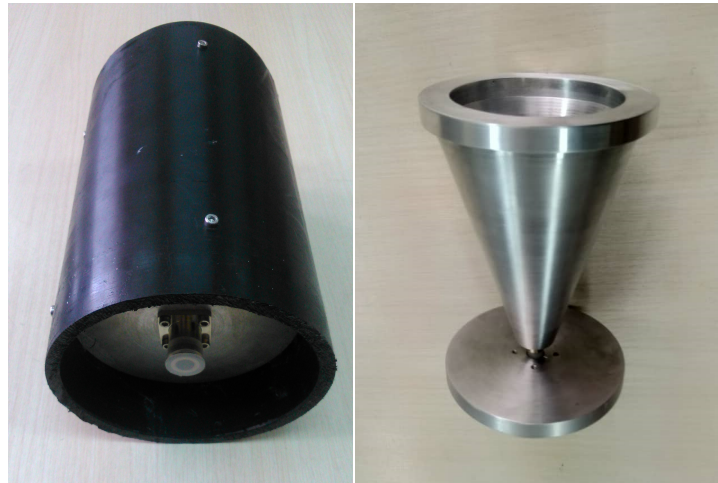
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Discone Antenna | 100-1000 MHz
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TYPICAL RADIATION PATTERN at
1GHz(black), 3GHz(red), 6GHz(blue)



FABRICATED



MEASURED VSWR



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