

SMART ELECTRONICS COMMUNICATION

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Model: SDC50-2000	Frequency: 50-2000 MHz	Gain: 2-3 dBi
DISCONE ANTENNA		

DESIGN FEATURES: The SDC50-2000 discone antenna is specially designed for Omni-directional coverage. Due to its low VSWR through entire band from 50-2000 MHz, this discone antenna can be used as a transmitting and receiving antenna with high efficiency, to meet the broadband requirement of a base station antenna such as spectrum monitoring or jamming application. The discone antenna when packed comes with cone and disc elements removed from the antenna body for ease of packing and shipment.



CONSTRUCTIONS: The SDC50-2000 discone antenna is rugged all weather model, does not require any field tuning or adjustments. The compact size of discone antenna allows easy handling and specially designed mounting hardware results in fast installation. The cone and disc hubs of wide band discone antennas are made of chromium plated brass and all fasteners are of stainless steel. Discone Antenna termination and feed cable lie enclosed inside the mounting pipe for complete weather protection.

ELECTRICAL SPECIFICATIONS:	
Frequency Range	50-2000 MHz
Gain	2-3 dBi
Bandwidth	Full band
Polarization	Vertical
Input Impedance	50 Ohm
Radiation Pattern	Omni Directional
Vertical Beam-width	78°
VSWR	≤ 3:1
RF Power Handling Capacity	500 Watts
Input Termination	UHF female (SO-239)/ N-Female Connector
MECHANICAL SPECIFICATIONS:	
Materials	Aluminium Alloy / Chrome Plated Brass
Mounting Hardware	Stainless Steel
Gross Weight (approx.)	7 Kg
Antenna Length (approx.)	1.5 Meters
Wind Rating	200 Km/Hr
Maximum Mounting Pipe Diameter	51 mm (2" inches)
Insulator Materials	Teflon & Nylon
ENVIRONMENTAL SPECIFICATIONS:	
Operating Temperature	(-)30° to +70° C
Storage Temperature	(-)40° to +80° C
Humidity	0 to 95% RH

Note: All information contained in the datasheet is subject to change without any prior notice.