



ANTENNA EXPERTS

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Model SC-243-318

243-318 MHz.

1 dBi. Gain

SATCOM COLLINEAR ANTENNA

DESIGN FEATURES: The SC-243-318 Satcom Collinear Antenna is rugged all weather model, enclosed in a ABS enclosure, uses high class aluminum alloy support pipe and does not require any field tuning or adjustments. This SATCOM collinear antenna can be mounted on the roof-top hole of the vehicle or directly onto the equipments. The SC-243-318 antenna is highly suitable for man-pack and vehicle mounting applications. Similarly the antenna can also be supplied with pole mounting hardware (optional).

CONSTRUCTIONS: The special co-axial stub and spark gap techniques are used for smooth VSWR and constant Gain over entire the 243-318 MHz frequency band. The SC-243-318 satcom collinear antenna consists of large diameter brass radiating elements stacked vertically, fed in phase and enclosed in ABS housing. The ABS has excellent transparency for Radio Signal and mechanically Robust to support extra mechanical strength to the satcom collinear antenna. The antenna supplied with olive green colour for defense application.



ELECTRICAL SPECIFICATIONS:

Frequency Range	243-318 MHz.
Gain	1 dBi.
Bandwidth	Entire Band
Polarization	Vertical
Input Impedance	50 Ohms
Radiation Pattern	Omni-directional
Vertical Beam-width –Half Power Points.	78 Degrees
VSWR	2:1
RF Power Handling Capacity	200 Watts
Input Termination	N-Female

MECHANICAL SPECIFICATIONS:

Wind Rating	200 Km/Hr.
Overall Length	330 mm
Shipping Length	350 mm
Support Pipe Materials	Aluminum
Enclosure Outer Diameter	32 mm
Radiating Elements - Materials	All Brass
Gross Weight	500 Grams

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature	(-) 30 to +70 Degrees Celsius
Storage Temperature	(-) 40 to +80 Degrees Celsius
Humidity	0 to 95 % RH

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