

ALL in ONE DATA LINK SOLUTION



Backfire Antenna

Medium gain circular or linear polarization Antenna - S-band



IN-SNEC

Applications

- Point to point link
- Radio link in S-band
- Ground telemetry

Main features & benefits

- High ruggedness
- Multi polarization facilities
- Protected with low loss radome

Options

- Polarization switching
- Built in low noise amplifier with coaxial supply

Backfire Antenna - S-Band

Electrical specifications

◆ Bandwidth	2180 to 2475 MHz
◆ Impedance	50 Ohms
◆ VSWR	2 :1 max
◆ Gain	13.5 dB min
◆ Azimuth 3dB beamwidth	~ 30°
◆ Elevation 3dB beamwidth	~ 30°
◆ Side lobe level	- 14 dB
◆ Polarization	LHCP, RHCP, HP, VP
◆ Axial ratio	2 dB max

Mechanical characteristics

◆ Dimensions	13" x 14.2" x 14.5" 330 x 360 x 370 mm
◆ Weight	2 kg (4.4lb)
◆ Shocks	5g max, half sine
◆ Vibrations	0.75g from 1 to 11Hz 2.5g from 11 to 50Hz

Interfaces

◆ RF output	N-female
◆ Mechanical interface	for 40mm diameter mast

Environmental conditions

Operating conditions

◆ Temperature range	-25°C to +70 °C
◆ Relative humidity	0% to 100% non condensing NF EN60 529
◆ IP 53	

Non operating conditions

◆ Temperature range	-40°C to +70 °C
◆ Relative humidity	0% to 100% non condensing

Ordering information

■ Model reference

xxxxxx

SM506763



IN-SNEC

IN-SNEC Normandie : 2, rue de Caen - 14740 Bretteville l'Orgueilleuse - France
(Head Quarters) Ph. +33 (0)2 31 29 49 49 - Fax. +33 (0)2 31 29 49 25

IN-SNEC Paris : 5, avenue des Andes - BP 101 - 91943 Les Ulis Cedex A - France
Ph. +33 (0)1 69 82 78 00 - Fax. +33 (0)1 69 07 39 50

IN-SNEC Aquitaine : Aérodrome d'Arcachon - 33260 La Teste - France
Ph. +33 (0)5 57 52 76 30 - Fax. +33 (0)5 57 52 76 40

Email

contactinsnec@zodiac.com

<http://www.in-snec.com>

ISO 9001/n°1533386
AQAP 2110/n°1533386
AS/EN 9100/n°1533386
ISO 14001/n°1571249

