

# ALL in ONE DATA LINK SOLUTION



## Sub-carrier demodulator



IN-SNEC

This demodulator allows to demodulate a telemetry subcarrier FSK at 6.5 MHz and to restore the data on a serial data link, with a rate of 38.4 maximum Kb/s.

It can be plugged-in the subcarrier output of the S-band modular Receiver - MREC.

Its compactness, its lightweight and its robustness make it ideal for integration as well in fixed systems as in vehicles with little available space and harsh environment like target drone, unmanned vehicle, light aircraft, terrestrial vehicles,...

### Applications

- Telemetry from aircraft, ground vehicles or fixed systems
- Video link or data transmission

### Main features & benefits

- High ruggedness
- Excellent RF shield
- Wide temperature range
- Low dimensions
- Low weight
- Low consumption

# Sub-carrier Demodulator

## Electrical specifications

◆ Sub-carrier frequency	6.5 MHz
◆ Modulation	FSK (2 tones 40 & 80 kHz)
◆ Serial link	RS232 & RS422
◆ Max bit rate	38.4 kb/s asynchrone

## Mechanical characteristics

◆ Dimensions	3.54 x 3.34 x 0.98 " (90 x 85 x 25 mm)
◆ Weight	0.44 lb (200 g)
◆ Vibrations	20HZ to 20000Hz 3g eff

## Environmental conditions

### Operating conditions

◆ Temperature range	-20°C to +65 °C
◆ Relative humidity	35% to 95% non condensing

### Non operating conditions

◆ Temperature range	-40°C to +80 °C
◆ Relative humidity	35% to 95% non condensing

### Primary power

◆ Voltage	+18VDC to +32VDC
◆ Power consumption	≤ 250mA

## Ordering information

■ Model reference

Demodulator

SM517879



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AS/EN 9100/n°1533386  
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