



## VTR 5585 NT – 2P (BPSK)

### TELEMETRY RECEIVER

#### MECHANICAL SPECIFICATIONS

- Weight : 800 g
- Dimensions : 145 x 110 x 32 mm
- Connectors
  - RF Input : SMA Female
  - Data Output : SSMA Female
  - AGC Output : Subvis
  - Power supply : DEUTSCH DCS 10Y – 6 – 4 PN
  - Frequency prewired plug: MCKN1T1-21PX-1079

#### ELECTRICAL SPECIFICATIONS

##### RF Characteristics

- Type : Double conversion (IF : 426 MHz & 70 MHz ).
- Frequency range : 2100 – 2600 MHz (200 MHz sub-band)  
LO Frequency: Synthesized  
500 KHz steps  
Prewired program plug
- Frequency stability : +/- 25ppm (from –20°C to +80°C)
- Input impedance : 50 Ohms (SWR < 1.5)
- Pre-selector half power bandwidth : 250 MHz- 3 sections BPF (2 filters)
- Image rejection : > 80 dB
- Dynamic range : - 20, - 90dBm
- Noise figure : 4 dB
- IF selectivity : 1.5 data rate



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### Baseband port

- \* Frequency response : DC – 32 MHz max.
- \* Output signal level : 1 Vpp.
- \* Output impedance : 50 Ohms

### Power requirements

- \* Voltage : 12 – 18 V DC
- \* Current : 1.1A
- \* Protection : reverse polarity

## ENVIRONMENTAL

- Operating temperature : - 20°C, + 70°C (base plate)
- Storage temperature : - 55°C, + 90°C
- Low pressure : up to 25000 m
- Vibration random : 0.1 g<sup>2</sup> / Hz, 20-2000 Hz, 3 axis
- EMI : MIL STD 461, 462, 463A

**Main references** : MBDA, Dassault Aviation (fighter aircraft), Eurocopter (helicopter), ARIANA launcher, French flight test centers.  
And others overseas customers in Canada, China, India, Italy,....