VIDÉO - TÉLÉMESURE

ST1-07

VTX 6536 NT

COMPACT TELEMETRY TRANSMITTER

The VTX 6536 NT telemetry transmitter is built around a state of the art phase locked loop FM exciter followed by a high efficiency power amplifier. The transmitter offers a very wideband frequency response from 1 Hz to 40 MHz (- 3 dB) which allows High Bit Rate (up to 32 Mbps) or colour HD video-data transmission.
The used technology allows the unit to operate under the environments as found in aircraft applications.

MAIN FEATURES :

- **Synthesized output frequency**
- **Very wide modulation response**
- **Very high carrier deviation**

MECHANICAL SPECIFICATIONS

- Weight : 220 g
- Dimensions : 76.2 x 50.8 x 25 mm
- Connectors
  - Modulation input : SMA female
  - RF output : SMA female
  - Supply : DCS 10Y-6-4-PN DEUTSCH
  - Frequency control : TYCO 21 pins

ELECTRICAL SPECIFICATIONS

RF Characteristics

- Type : Direct frequency PLL synthesized FM exciter
- Frequency range : 2100 – 2700 MHz (200 MHz sub-band)
- Frequency stability : ± 0,0025% (-20°, + 80°c)
- Frequency control : Prewired program plug (250 KHz step)
- Output power : 5 W (4.5 W min @ + 70°C case temperature)
- Admissible load VSWR : Infinite any phase (isolator protected)
- Carrier peak deviation : Up to 5 MHz
- Spurious : - 25 dBm corresponding to -[55 + 10logPo(W)]
- Incidental FM deviation : 10 KHz RMS (in the environment range)

Modulation Characteristics

- Frequency response (- 3 dB) : 1 Hz – 40 MHz
- Deviation sensitivity : 4 MHz / 1 Vpp max
- Input impedance : 50 Ω (75 Ω or 10 KΩ on request)

Power requirements

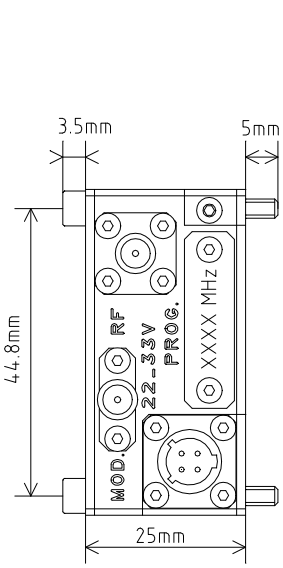
- Voltage : 24 – 32 VDC

- Current : 1.3 A
- Protection : Reverse polarity

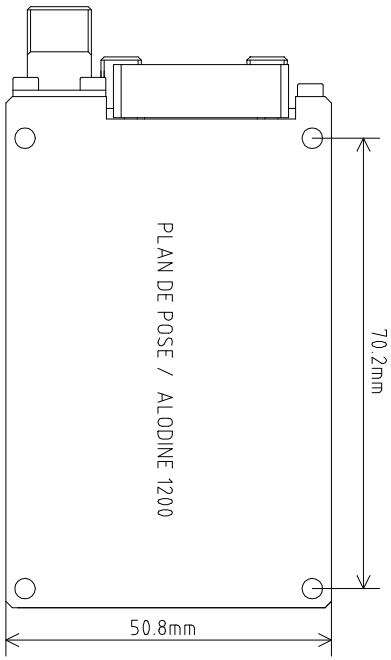
ENVIRONMENTAL

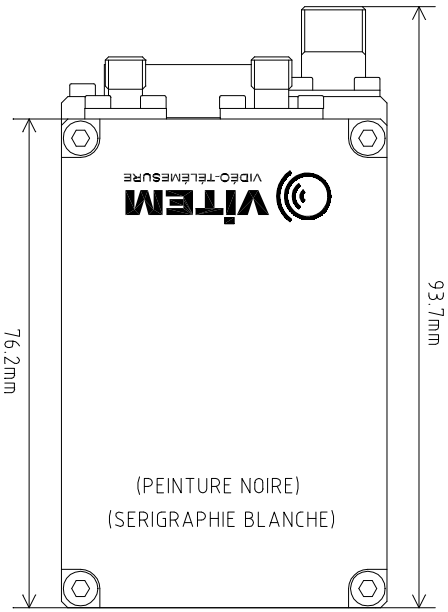
- Operating temperature : - 40°c to + 85°c (base plate).
- Storage temperature : - 55°c to + 100°c.
- Vibration sine : 20g, 20-2000 Hz, 3 axis.
- Vibration random : 0.45 g^2 Hz^{-1}, 20-2000 Hz, 3 axis.
- Static acceleration : 40 g, 3 axis.
- Shock : 100 g, 11ms, 3 axis.
- Low pressure : up to 25 000m.
- EMI : MIL STD 461, 462, 463A.
  (CE03, CE04, CE05, RE02).
  (CS01, CS02, RS01, RS02, class 1C).

No. rév.	Note de révision	Date	Signature	Vérifié



VUE DE DESSOUS





VUE DE DESSUS

Référence	Quantité	Titre/Nom, dénomination, matériel, dimensions, etc.			No. d'article/Référence	
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