



FUTURIS

## FT001401 - CNV429 RESOLVER

CNV429 RESOLVER converts resolver SIN/COS angle signals into ARINC 429 digital domain.

The unit provides two independent resolver input channels and transmits the converted data on the ARINC 429 bus.

### Technical

**Analog Input Type:**

Resolver (SIN/COS)

**Digital Inputs:**

(optional)

**Analog Inputs:**

- 2× Resolver SIN/COS (pairs)
- 1× 26V/36V 400 Hz resolver reference/excitation

**Communication Interfaces:**

- ARINC 429 / Label 324 - Label 325
- RS-422 (optional)

**Dimensions:** 100mm x 100mm x 100 mm

### Architecture

**Input Impedance (SIN/COS):**

20 kΩ @ 400 Hz

**Conversion Accuracy:** ±16 arcmin

**Power Supply:** 28 V DC

**Power Consumption:** < 5 W

**Operating Temperature:** -40 to +85 °C

**Storage Temperature:** -55 to +85 °C

**Connectors:** MIL-DTL-38999

**Standards:**

- MIL-STD-810
- MIL-STD-1275

