

# iCFA

## iSI - Intelligent Sensor Interface

### Characteristics

- Analog carrier frequency amplifier
- Automatic sensor detection via ISP
- Suitable for analog sensors with DC (e.g. strain gauge) or AC excitation (e.g. LVDT)
- Compatible with all EDCi devices (EDCI2x/5x/7x)



#### Excitation & Amplifier

Excitation type	AC <sub>(5kHz)</sub> , DC
Supply Voltage [V] <sup>1</sup>	1.25 or 10
Sensitivity [mV/V] <sup>1</sup>	0.08–1366 @ 10V 0.66-10880 @ 1.25V
Input Impedance [GΩ]	>1
Common mode suppression	140dB
<sup>1</sup> adjustable via Software	
Product-Nr.	1000487

#### Signal Conversion

Resolution [Bit]	24
[Steps]	± 10.000.000
SNR (Signal-to-Noise Ratio)	86dB @ 0.1ms 96dB @ 1.0ms 107dB @ 20ms
Linearity [%]	0.01-0.025
Temperature drift	4ppm/K

[www.doli.de](http://www.doli.de)

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