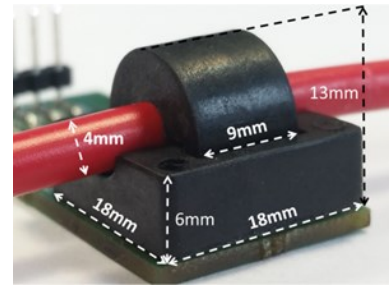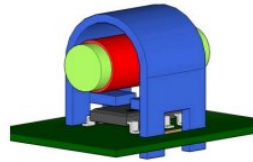## USP

- Clamp around an existing current cable
- Non-intrusive solution
- Coreless current sensor
- Easy PCB soldering
- Excellent output linearity
- High signal-to-noise and very fast response time (2µs)
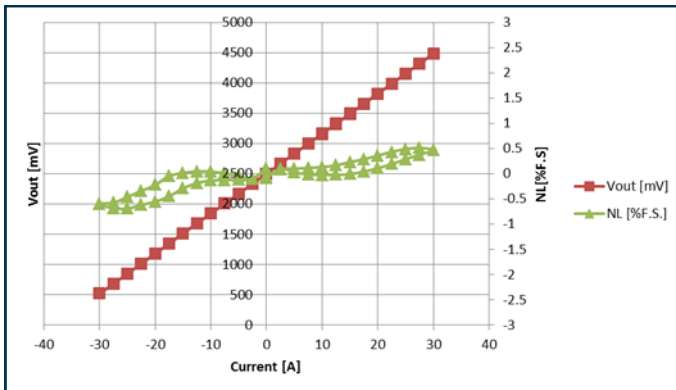- On-chip compensation for thermal and lifetime drifts

Concept

- IMC-Hall® sensor (MLX91208)
- UC Shield mounted on top
- Shield split in two parts
- Shield in plastic housing

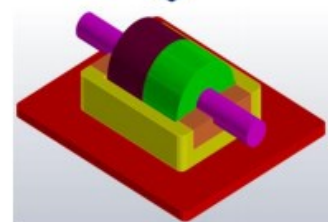**Typical output characteristics and non-linearity for 30A calibration:**
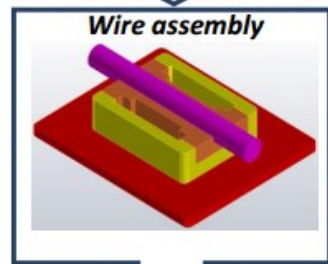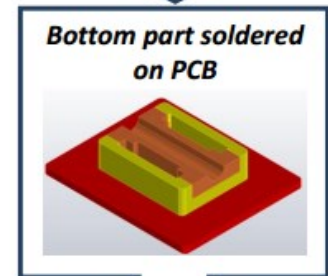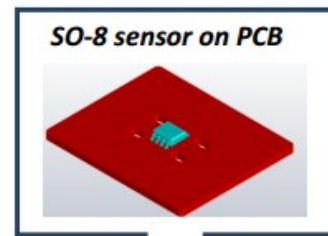**achieved non-linearity: < +/-0.5 %F.S., i.e. < +/-0.15A**

S=360mV/mT and
F.S.=2000mV

↓

B=5,6mT

↓

MLX91208CAL
recommanded

SO-8 sensor on PCB

Bottom part soldered on PCB

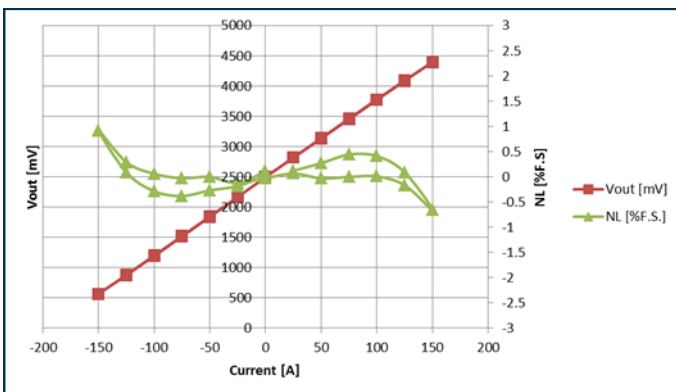**Typical output characteristics and non-linearity for 150A calibration:**
achieved non-linearity: < +/-1.5 %F.S., i.e. < +/-2.25A

S= 86 mV/mT
and
F.S.=2000mV

↓

B=23,4mT

↓

MLX91208CAH
recommanded

Wire assembly