ASIC

36 V Bipolar Array
H3A

Special Features:
- improved V_{BE}-matching
- Trimmcells
- SiCr Resistors
- Hall Sensor

Die Size	app. 3.3 x 3.0 mm²
V_{max}	36 V
Bonding Pads	28
50 mA NPN Transistor	27
10 mA NPN Transistor	10
5 mA NPN Transistor	99
5 mA NPN Transistor (trimmcell)	19
1 mA PNP Transistor lateral	47
2 mA PNP Transistor vertical	19
Hall Sensor vertical	2
1.2 kΩ Resistor (base diffused)	102
0.6 kΩ Resistor (base diffused)	90
0.3 kΩ Resistor (base diffused)	20

12 kΩ Resistor (SiCr)	281
6 kΩ Resistor (SiCr)	300
3 kΩ Resistor (SiCr)	27
1.5 kΩ Resistor (SiCr)	27
5 kΩ Resistor (Epi)	12
Crossunder	196
15 pF Capacitor	5
17 pF Capacitor	2
20 pF Capacitor	1
Total Resistance (diffused)	182 kΩ
Total Resistance (SiCr)	5.3 MΩ
Total Resistance (Epi)	60 kΩ
Total Capacitance	129 pF