

Magnetic Characteristics @ 5V, +25°C

Part Number	Operating Point (Oe)		Differential (Oe) ¹	Output ²	Marking ³	Orientation	Package ⁴
	min	max					
AD081-00	15	25	5	CSK	BDB	Cross-axis	TSSOP
AD082-00	30	50	5	CSK	BDC	Cross-axis	TSSOP
AD083-00	60	100	5	CSK	BDD	Cross-axis	TSSOP
AD084-00	21	34	5	CSK	BDF	Cross-axis	TSSOP

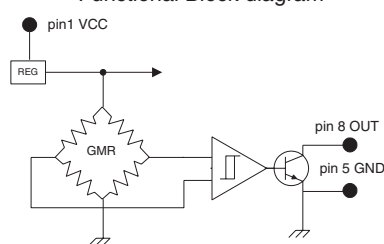
Electrical Characteristics @ -40°C to +125°C, unless otherwise noted.

Parameter	Test Conditions	min	max	Units
Supply Voltage(VCC)	Operating	3.0	6.0	Volts
Supply Current	Output Off, VCC=12	0.7	1.2	mA
Output Leakage	Output Off, Vout=30V		10	uA
Output Saturations Voltage	Output On, Iol=20mA ⁶		0.4	Volts

Absolute maximum ratings

Parameter	Limit
Supply Voltage(VCC)	33.0 V
Reverse Battery Voltage	-30.0 V
Magnetic Flux Density	300 Oe
Output Off Voltage	33 V
Reverse Output Voltage	-0.5 V
Continuous Output Current	24 mA
Operating Temperature Range	-40°C to +150°C
Storage Temperature Range	-65°C to +150°C

Functional Block diagram



Notes:

- Differential = (Operate Point) - (Release Point).
Minimum Release Point for ADH025-00 is 3.5 Oe
- The CSK output must be connected through a series resistor to a positive power supply. Deviations from specified current could result in damage to part.
- Due to package size, TSSOP package contains company name (NVE) and three-letter code to designate part type. The part is available in SO8 by special request
- See package dimensions bulletin.

Cross-Axis Orientation for both TSSOP and SOIC8

