

Magnetic Characteristics @ 12V, +25°C

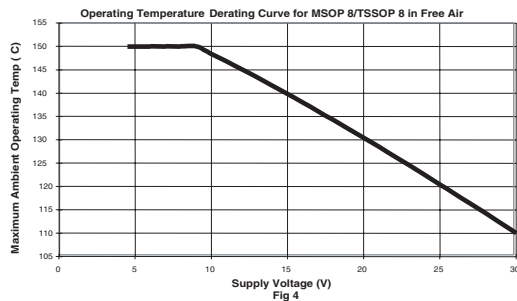
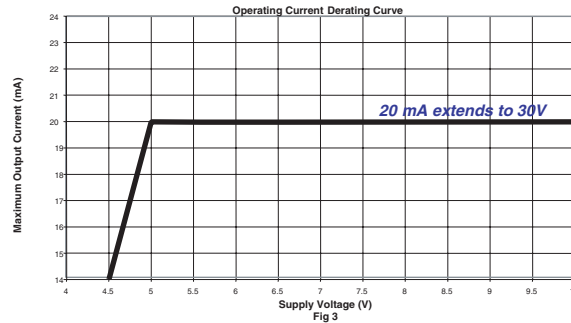
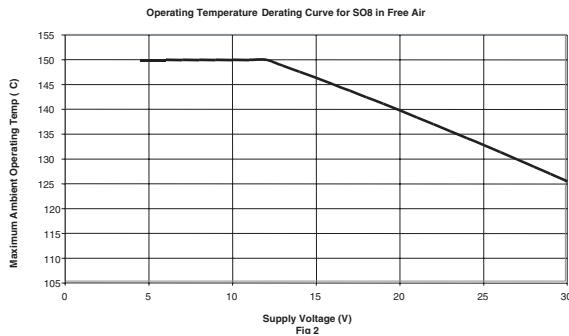
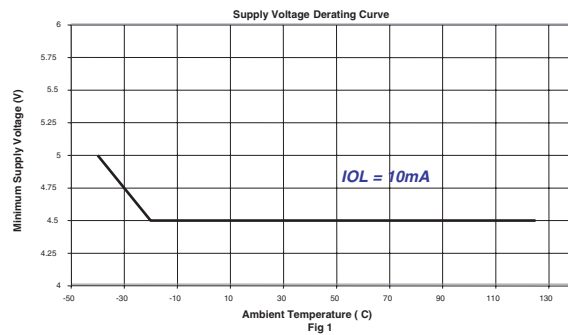
Part Number	Operating Point (Oe)		Differential (Oe) ¹		Output ²	Marking ³	Orientation	Package ⁴
	min	max	min	max				
ADH025-00	8	12	2	8	CSK	MBL	Cross-axis	TSSOP

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

Parameter	Test Conditions	min	max	Units
Supply Voltage(VCC)	Operating	4.5 ⁵	30.0	Volts
Supply Current	Output Off, VCC=12	3.0	6.0	mA
Output Leakage	Output Off, Vout=30V		10	uA
Output Saturations Voltage	Output On, Iol=20mA ⁶		0.4	Volts

Absolute maximum ratings

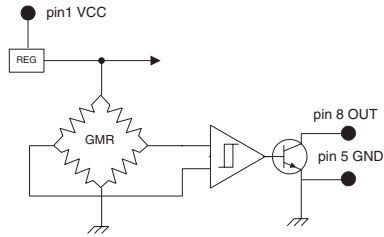
Parameter	Limit
Supply Voltage(VCC)	33.0 V
Reverse Battery Voltage	-30.0 V
Magnetic Flux Density	300 Oe
Output Off Voltage	33 V
Reverse Output Voltage	-0.5 V
Continuous Output Current	24 mA
Operating Temperature Range	-40°C to +150°C ⁷
Storage Temperature Range	-65°C to +150°C



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.
- See Fig 1.
- See Fig 3.
- See Fig 2.

Functional Block diagram



Cross-Axis Orientation for both TSSOP and SOIC8

