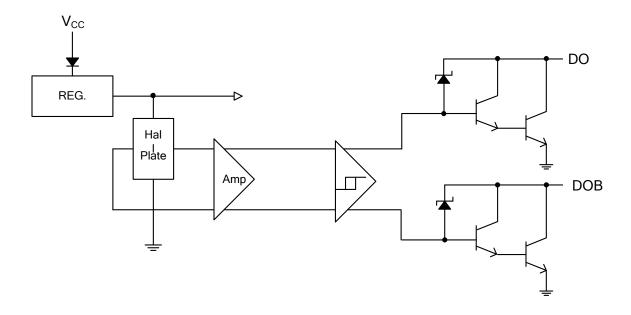


Pin Descriptions

Pin Name	P/I/O	Pin #	Description
V _{CC}	Р	1	Power Supply Input
DO	0	2	Output Pin
DOB	0	3	Output Pin
GND	Р	4	Ground

Functional Block Diagram



Absolute Maximum Ratings (@T_A = +25°C, unless otherwise specified.)

Symbol	Parameter	Rating	Unit
V _{CC}	Supply Voltage	28	V
V _{out (off)}	Output "OFF " Voltage	28	V
I _{O (con)}		400 (Note 5)	mA
I _{O (hold)}	Output "ON" Current	500	mA
I _{O (peak)}		700	mA
В	Magnetic Flux Density	Unlimited	Gauss
T _{ST}	Storage Temperature Range	-65 to +150	°C
P_{D}	Power Dissipation (Note 6)	550	mW
θ_{JA}	Thermal Resistance Junction-to-Ambient (SIP-4)	227	°C/W
θ_{JC}	Thermal Resistance Junction-to-Case (SIP-4)	49	°C/W



Recommended Operating Conditions (@T_A = +25°C, unless otherwise specified.)

Symbol	Characteristic	Conditions	Min	Max	Unit
V _{CC}	Supply Voltage	Operating	4	28	V
T _A	Operating Ambient Temperature (Note 7)	Operating	-20	85	°C

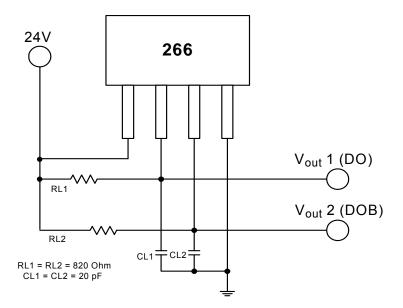
Notes:

- 4. This application circuit can't protect reverse coil current if power is connecting reverse.
- 5. I_{o (con)} is 150 mA at +85°C.
 6. See Performance Characteristics for other conditions.
- 7. Shall not exceed P_{D} and Safety Operation Area.

Electrical Characteristics (@T_A = +25°C, unless otherwise specified.)

Symbol	Characteristic	Conditions	Min	Тур.	Max	Unit
Vz	Output Zener Breakdown	Output Turn off	54	62	70	V
V _{CE} (SAT)	Output Saturation Voltage	V _{CC} = 24V, I _C = 400mA	_	1.1	1.5	V
I _{CEX}	Output Leakage Current	V _{CE} = 24V, V _{CC} = 24V	_	< 0.1	10	μΑ
I _{CC}	Supply Current	V _{CC} = 24V, Output Open	_	5	10	mA
tr	Output Rise Time	V _{CC} = 24V, RL = 820Ω, CL = 20pF	_	1.0	5	μs
tf	Output Falling Time	V _{CC} = 24V, RL = 820Ω, CL = 20pF	_	1.0	1.5	μs
Δt	Switch Time Differential	V _{CC} = 24V, RL = 820Ω, CL = 20pF	_	3.0	10	μs

Test Circuit



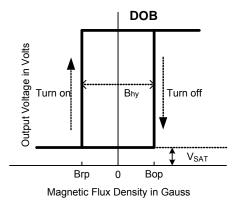


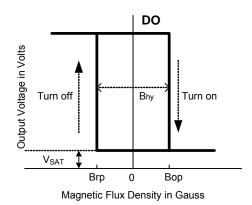
Magnetic Characteristics

A grade (1mT = 10 Gauss)							
Symbol	Characteristic	Min	Тур.	Max	Unit		
Вор	Operation Point	10	_	70	Gauss		
Brp	Release Point	-70		-10	Gauss		
Bhy	Hysteresis	_	80	_	Gauss		

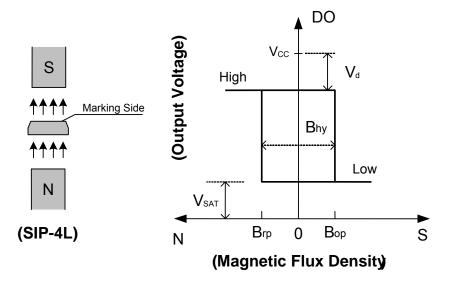
B grade

Symbol	Characteristic	Min	Тур.	Max	Unit
Вор	Operation Point	_	1	100	Gauss
Brp	Release Point	-100	1		Gauss
Bhy	Hysteresis	_	80		Gauss





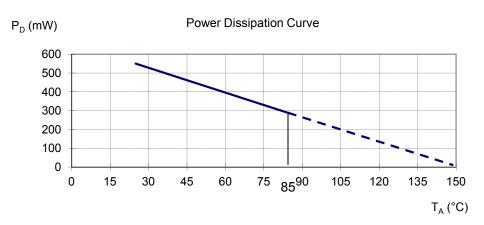
Operation Characteristics



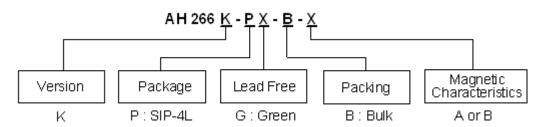


Performance Characteristics

T _A (°C)	25	50	60	70	80	85	90	95	100
P _D (mW)	550	440	396	352	308	286	264	242	220
T _A (°C)	105	110	115	120	125	130	135	140	150
P _D (mW)	198	176	154	132	110	88	66	44	0



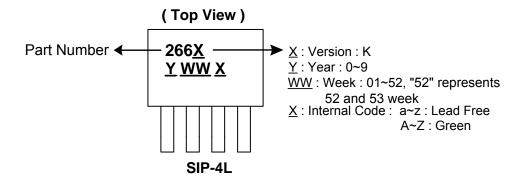
Ordering Information



	Package	Packaging		Bulk	Magnetic
Device	Code	(Note 8)	Quantity	Part Number Suffix	Characteristics
AH266K-PG-B-A	Р	SIP-4	1000	-B	Α
AH266K-PG-B-B	Р	SIP-4	1000	-B	В

Note: 8. For packaging details, go to our website at http://www.diodes.com/products/packages.html

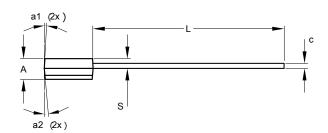
Marking Information

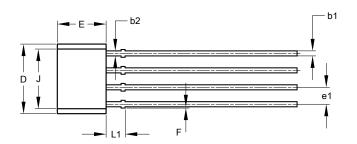


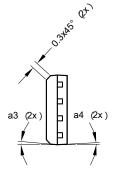


Package Outline Dimensions (All dimensions in mm.)

(1) Package type: SIP-4L

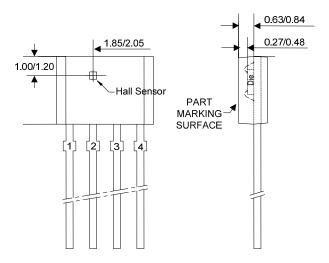






	SIP-4								
Dim	Dim Min Max Typ								
Α	1.45	1.65	1.55						
b1	0.38	0.44	0.40						
b2	ı	1	0.48						
C	0.35	0.45	0.40						
D	5.12	5.32	5.22						
e1	1.24	1.30	1.27						
Е	3.55	3.75	3.65						
F	0.00	0.20	-						
J	4.10	4.30	4.20						
┙	14.00	14.60	14.30						
L1	1.32	1.52	1.42						
S	0.63	0.83	0.73						
a1	- 1	5°	3°						
a2	4°	7°	5°						
a3	4°	7°	5°						
a4	-	5°	3°						
All	Dimens	ions in	mm						

Min/Max (in mm)





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