

Shipped in packet-tape reel(2,500pcs per reel)

Notice : It is requested to read and accept "IMPORTANT NOTICE" written on the back of the front cover of this catalogue.

Absolute Maximum Ratings

Item	Symbol		Limit	Unit
Max. Input Current	Ic	25℃ Const. Current Drive	17	mA
Operating Temp. Range	Topr.		-40 ~ +125	ĉ
Storage Temp. Range	Tstg.		<i>−</i> 40 ~ +150	°C

Electrical Characteristics(T_a=25°C)

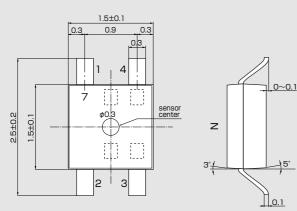
Item	Symbol	Conditions	Min.	Тур.	Max.	Unit
Output Hall Voltage	V _H *	Const. Current Drive B=50mT, I _C =5mA	24		33	mV
Input Resistance	R _{in}	B=0mT, I _C =0.1mA	240		360	Ω
Output Resistance	R _{out}	B=0mT, I _C =0.1mA	240		360	Ω
Offset Voltage	V _{os} (V _u)	B=0mT, I _C =5mA	-2.5		2.5	mV
Temp. Coefficient of V _H	αV _H	B=50mT, I _C =5mA Ta=25∼125℃	-0.07		-0.11	%/C
Temp. Coefficient of R _{in}	αR _{in}	B=0mT, I _C =0.1mA Ta=25∼125℃	0		0.2	%/C

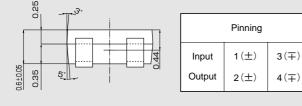
Notes : 1. $V_H = VHM - V_{os}(V_u)$ (VHM:meter indication)

 $\begin{array}{l} 2. \ \alpha V_{H} = \frac{1}{V_{H}(T_{1})} X \frac{V_{H}(T_{2}) - V_{H}(T_{1})}{(T_{2} - T_{1})} X \ 100 \\ 3. \ \alpha R_{in} = \frac{1}{R_{in}(T_{1})} X \frac{R_{in}(T_{2}) - R_{in}(T_{1})}{(T_{2} - T_{1})} X \ 100 \end{array}$

$$T_1 = 25^{\circ}C, T_2 = 125^{\circ}C$$

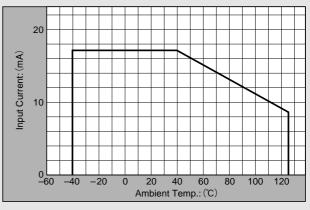
Dimensional Drawing(Unit : mm)



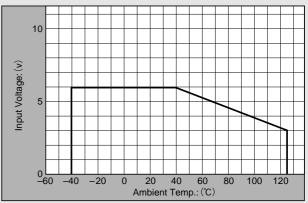




Input Current Derating Curve



Input Voltage Derating Curve



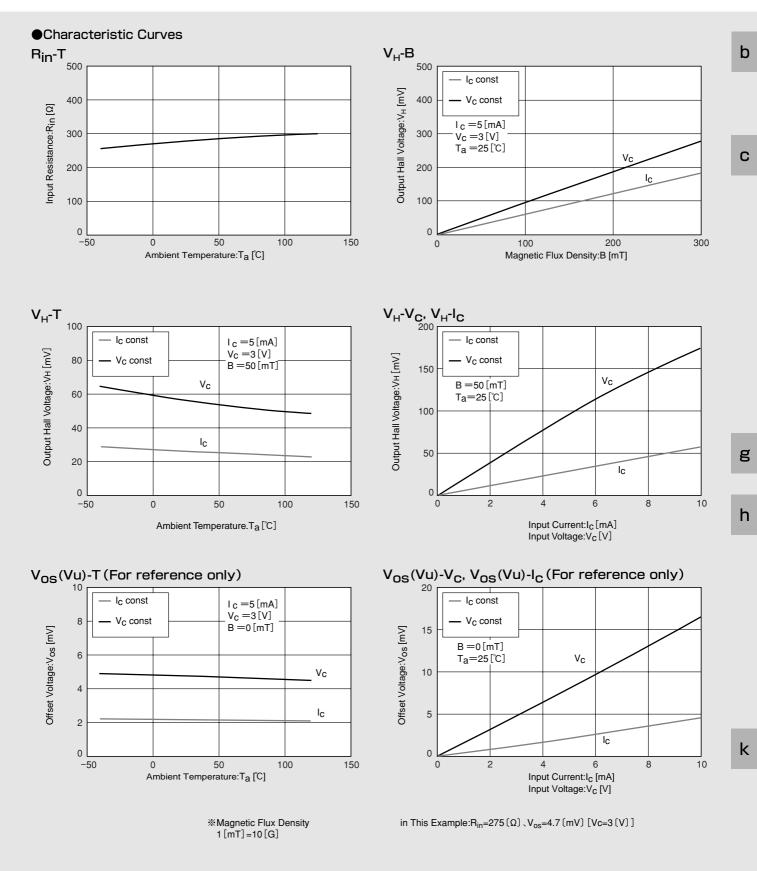
ASAHI KASEI MICRODEVICES

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•Handling precautions required for preventing electrostatic discharge.

•This product contains galium arsenide (GaAs).Handling and discarding precautions required.



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ASAHI KASEI MICRODEVICES CORPORATION

Headquarters

1-105 Kanda, Jinbocho, Chiyoda-ku, Tokyo 101-8101, Japan

TEL:+81-3-3296-3961 FAX:+81-3-3296-3962

Osaka Office

3-23 Nakanoshima 3-Chome, Kita-ku,Osaka 530-8205,Japan

TEL:+81-6-7636-3133 FAX:+81-6-7636-3132

URL http://www.asahi-kasei.co.jp/ake/en/

Europe Office

Market House, 19/21 Market Place, Wokingham, Berkshire, RG40 1AP, U.K.

TEL:+44-118-979-5777 FAX:+44-118-979-7885

URL http://www.akm.com/

Shanghai Office

Room2321,Shanghai Central Plaza,381 Huaihai Zhong Road,Shanghai 200020,China TEL:+86-21-6391-6111 FAX:+86-21-6391-6686

URL http://www.akm.com/

Seoul Office

8th fi.,KTP B/D,27-2 Yoido-dong,Youngdungpo-gu,Seoul 150-742,Korea TEL:+82-2-3775-0990 FAX:+82-2-3775-1991

AKM Semiconductor,Inc

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Western US Sales

1731 Technology Drive Suite 500 San Jose,CA95110,USA

TEL: +1-408-436-8580 FAX: +1-408-436-7591

Eastern US Sales

629 Bamford Road Cherry Hill,NJ 08003,USA

TEL: +1-856-424-7211 FAX: +1-856-424-7344

URL http://www.akm.com/
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