

Shipped in packet-tape reel(4,000pcs per reel)

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

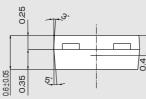
Absolute Maximum Ratings

Item	Symbol	Limit	Unit	
Max. Input Voltage	nput Voltage V _C 10		V	
Max.Input Power	P _D	150	mW	
Operating Temp. Range	Topr.	-40 ~ +125	°C	
Storage Temp. Range Tst		$-40 \sim +150$	°C	



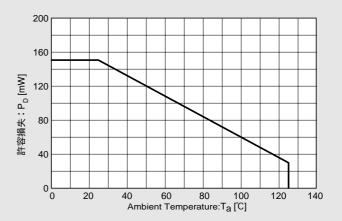
Dimensional Drawing(Unit : mm)

1.5±0.1 0.3 0.3 0.9 0.3 6 sensor center φ0. 2.5±0.2 I.5±0.1 z -<u>1</u>5° з°<u>+</u> 2 З .0.1



Pinning					
Input	1 (±)	3(±)			
Output	2(±)	4(干)			

Characteristic Curves Allowable Package Power Dissipation



●Electrical Characteristics(Ta=25°C)

Item	Symbol	Conditions	Min.	Тур.	Max.	Unit
Output Hall Voltage	V_{H}^{*}	B=50mT, V _C =6V	55		75	mV
Input Resistance	R _{in}	B=0mT, I _C =0.1mA	650		850	Ω
Output Resistance	R _{out}	B=0mT, I _C =0.1mA	650		850	Ω
Offset Voltage	V _{os} (V _u)	B=0mT, V _C =6V	-11		+11	mV
Temp. Coefficient of V_H	αV _H	B=50mT, I _C =5mA Ta=25∼125℃			-0.06	%/C
Temp. Coefficient of Rin	∝Rin	B=0mT, I _C =0.1mA Ta=25∼125℃			0.3	%/C
Linearity	Δĸ	B=0.1/0.5T, I _C =5mA			2	%

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

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. $\alpha R_{in} = \frac{1}{R_{in}(T_{1})} X \frac{R_{in}(T_{2}) - R_{in}(T_{1})}{(T_{2} - T_{1})} X 100$
4. $\Delta K = \frac{K(B_{1}) - K(B_{2})}{K(B_{1}) - K(B_{2})} X 100$

$$\Delta K = \frac{V_{H}}{[K(B_{1}) + K(B_{2})]/2} X T U$$
$$T_{1} = 25^{\circ}C, T_{2} = 125^{\circ}C$$
$$K = \frac{V_{H}}{I_{C} \cdot B}$$

 $B_1 = 0.5T, B_2 = 0.1T$

Taping

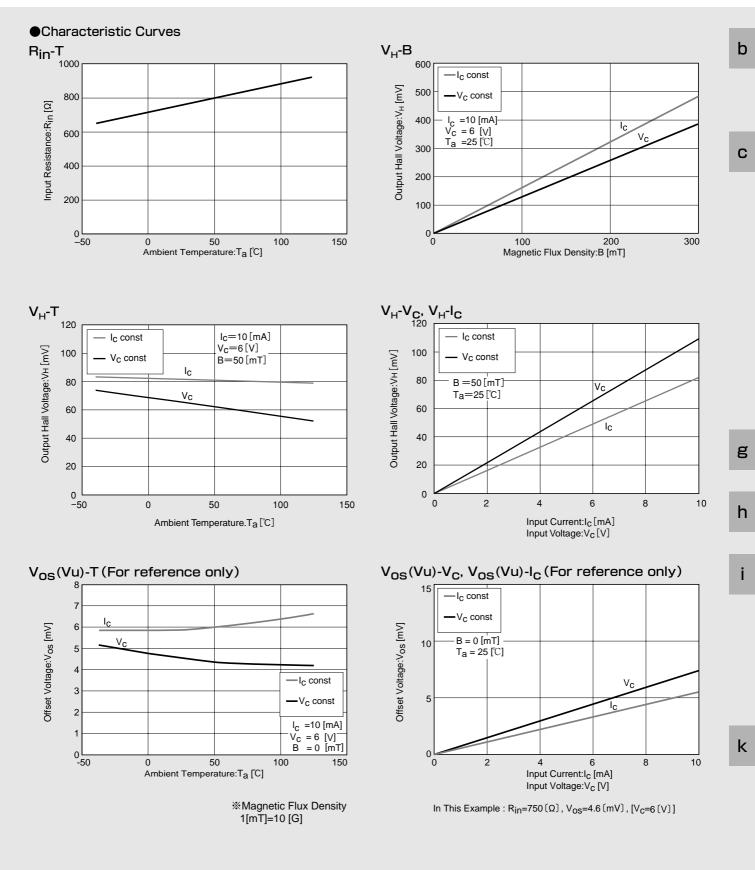


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•Handling precautions required for preventing electrostatic discharge.

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



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ASAHI KASEI EMD CORPORATION

Headquaters

1-23-7 Nishi-Shinjyuku, Shinjyuku-ku, Tokyo 160-0023, Japan TEL: +81-3-6911-2800 FAX: +81-3-6911-2815

Osaka Office

1-2-6 Dojimahama Kita-ku,Osaka 530-8205,Japan

TEL. +81-6-6347-3133 FAX.+81-3-6911-2815

Europe Office

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

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

Shanghai Office

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

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

Western US Sales

1731 Technology Dr Suito 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.akemd.com

North American Distributor: GMW Associates

 955 Industrial Rd, San Carlos, CA 94070, USA

 TEL. +1-650-802-8292
 FAX. +1-650-802-8298

 EMAIL sales@gmw.com
 WEB www.gmw.com