

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.

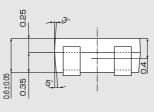
●Absolute Maximum Ratings (Ta=25℃)

Item	Symbol	Limit	Unit	
Max. Input Voltage	V _c	8	V	
Max.Input Power	P _D	150	mW	
Operating Temp. Range	Topr.	$-40 \sim +125$	°	
Storage Temp. Range	Tstg.	$-40 \sim +150$	°C	



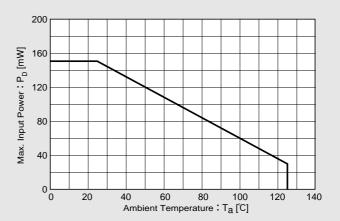
Dimensional Drawing(Unit : mm)

1.5±0.1 0.3 0.3 0.9 0.3 4 0~0.1 8 sensor center φ0.3 2.5±0.2 1.5±0. z 15° 3.1 2 З 0.1



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

Characteristic Curves Allowable Package Power Dissipation



●Electrical Characteristics(Ta=25℃)

Item	Symbol	Conditions	Min.	Тур.	Max.	Unit
Output Hall Voltage	V _H *	B=50mT, V _C =6V	75		95	mV
Input Resistance	R _{in}	B=0mT, I _C =0.1mA	450		750	Ω
Output Resistance	Rout	B=0mT, I _C =0.1mA	1,000		2,000	Ω
Offset Voltage	V _{OS} (Vu)	B=0mT, V _C =6V	-16		+16	mV
Temp. Coefficient of V_H	αV _H	B=50mT, I _C =5mA Ta=25∼125℃			-0.06	%/C
Temp. Coefficient of Rin	αRin	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. $V_H = VHM - V_{os}(Vu)$ (VHM:meter indication)

2.
$$\alpha V_{H} = \frac{1}{V_{H}(T_{1})} \times \frac{V_{H}(T_{2}) - V_{H}(T_{1})}{(T_{2} - T_{1})} \times 100$$

3. $\alpha R_{in} = \frac{1}{R_{in}(T_{1})} \times \frac{R_{in}(T_{2}) - R_{in}(T_{1})}{(T_{2} - T_{1})} \times 100$
4. $\Delta K = \frac{K(B_{1}) - K(B_{2})}{(K_{H}) + K(B_{2})/2} \times 100$

$$[K (B1) + K (B2)] / 2$$

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

$$K = \frac{V_H}{I_C \cdot B}$$

$$B_1 = 0.5T, B_2 = 0.1T$$

Taping



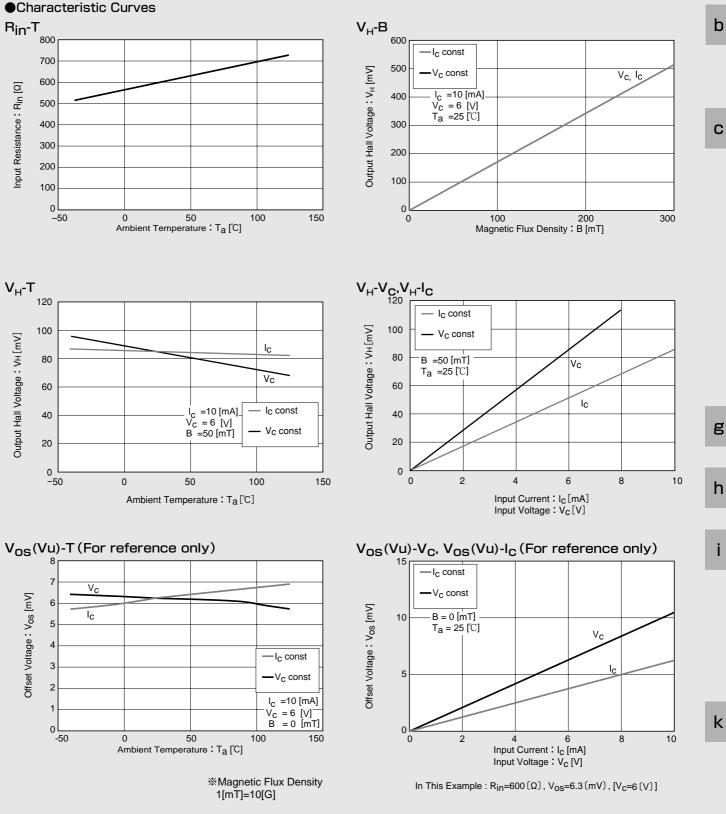
ASAHI KASEI MICRODEVICES

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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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