

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	V _c	10	V	
Max.Input Power	P _D	150	mW	
Operating Temp. Range	Topr.	−40 ~ +125	Ĵ	
Storage Temp. Range	Tstg.	<i>−</i> 40 ~ +150	Ĵ	

注)制限抵抗がない場合は、最大入力電圧の範囲以内でご使用下さい。

●Electrical Characteristics(Ta=25℃)

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	Rout	B=0mT, I _C =0.1mA	650		850	Ω
Offset Voltage	V _{OS} (Vu)	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	αRin	B=0mT, I _C =0.1mA Ta=25∼125℃			0.3	%/C
Linearity	Δκ*	B=0.1/0.5T, I _C =5mA			2	%

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

2.
$$\alpha V_{\rm H} = \frac{1}{V_{\rm H}(T_{\rm f})} \times \frac{V_{\rm H}(T_2) - V_{\rm H}(T_1)}{(T_2 - T_1)} \times 100$$

3. $\alpha R_{\rm in} = \frac{1}{R_{\rm in}(T_1)} \times \frac{R_{\rm in}(T_2) - R_{\rm in}(T_1)}{(T_2 - T_1)} \times 100$
4. $\Delta K = \frac{K(B_1) - K(B_2)}{(K_2 + L_1 + K_2)^{1/2}} \times 100$

$$T_{1} = 25^{\circ}C, T_{2} = 125^{\circ}C$$

$$K = \frac{V_{H}}{I_{c} \cdot B}$$

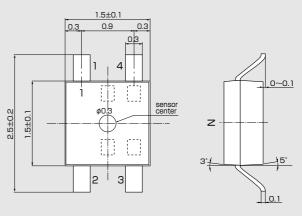
$$B_{1} = 0.5T, B_{2} = 0.1T$$

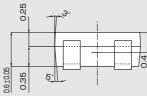
Taping





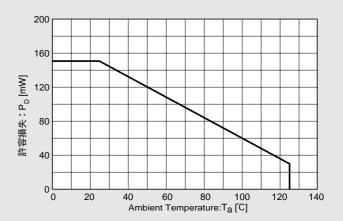
Dimensional Drawing(Unit : mm)





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

Characteristic Curves Allowable Package Power Dissipation

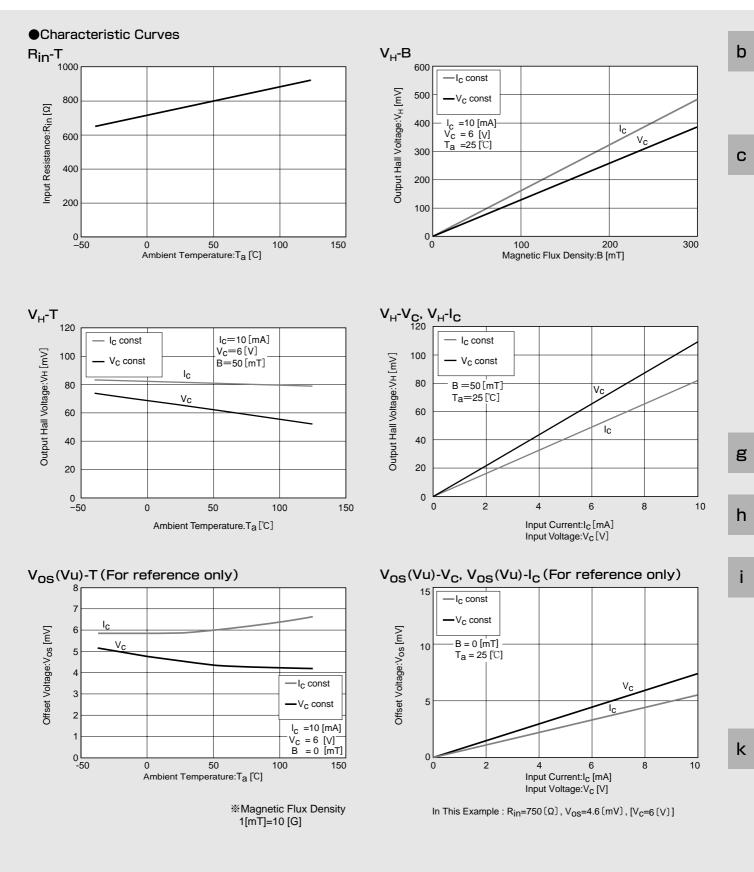


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•Handling precautions required for preventing electrostatic discharge.

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



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