

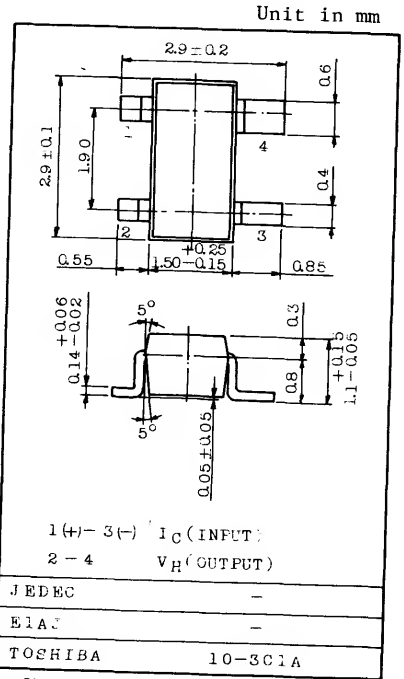
HIGH STABILITY MOTOR CONTROL.
 ENERGY SAVING FOR COOLING FAN MOTOR.
 DIGITAL TACHOMETER.
 CRANK SHAFT POSITION SENSOR.

FEATURES:

- Excellent Temperature Characteristics.
- Wide Operating Temperature Range Capability.
 (; -55°C ~ +125°C)
- Excellent Output Voltage Linearity.
 (; up to 15k Gausses)

MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Control Current	I _C	10	mA
Control Current (peak)	I _C	15	mA
Operating Temperature Range	T _{op}	-55 ~ +125	°C
Storage Temperature Range	T _{stg}	-55 ~ +150	°C



Weight : 0.013g

ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Internal Resistance	R _d	I _C =5mA	450	-	900	Ω
Residual Voltage Ratio	V _{H0} /V _H	I _C =5mA, B=0/B=1KG	-	-	±10	%
Hall Voltage (Note 1)	V _H	I _C =5mA, B=1KG	50	80	120	mV
Temperature Coefficient (Note 2)	V _{HT}	I _C =5mA, B=5KG T1=25°C, T2=125°C	-	-	-0.06	%/°C
Linearity (Note 3)	ΔK _H	I _C =5mA, B1=1KG, B2=5KG	-	-	2	%

Note 1 : V_H=V_{HM}-V_{H0} (V_{HM} is meter indication)

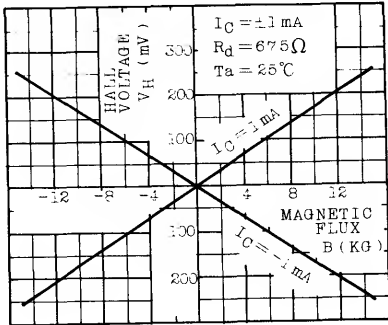
Note 2 : $V_{HT} = \frac{1}{V_H(T1)} \frac{V_H(T2) - V_H(T1)}{T2 - T1} \times 100$ (%/°C)

V_{H0} : Residual Voltage

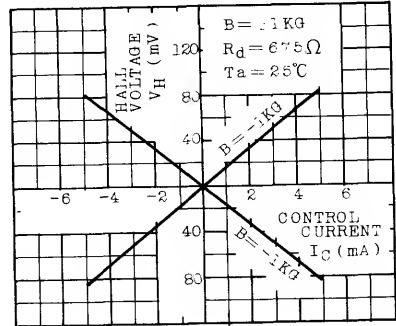
Note 3 : $\Delta K_H = \frac{K_H(B2) - K_H(B1)}{1/2(K_H(B1) + K_H(B2))} \times 100$ (%), $K_H = \frac{V_H}{I_C \cdot B}$

K_H : Product Sensitivity

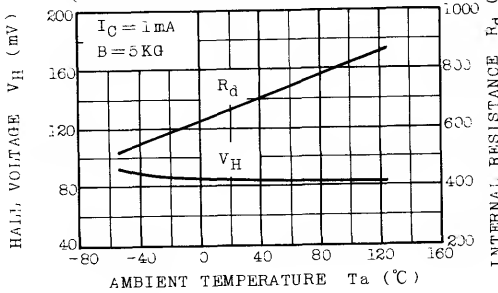
$V_H - B$ CHARACTERISTICS



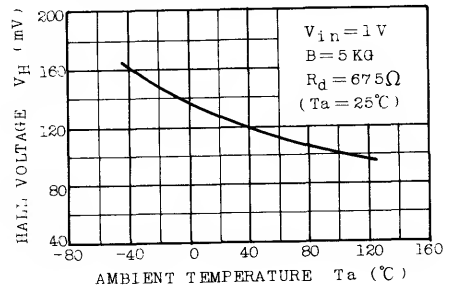
$V_H - I_C$ CHARACTERISTICS



$V_H - T_a, R_d - T_a$ CHARACTERISTICS
(CONSTANT CURRENT OPERATION)



$V_H - T_a$ CHARACTERISTICS
(CONSTANT VOLTAGE OPERATION)



$I_C - T_a$

