

THS 119

Unit in mm

-
- 1(+)-3(-) (INPUT)
2(+)-4(-) (OUTPUT)
- | | |
|---------|---------|
| JEDEC | — |
| EIAJ | — |
| TOSHIBA | 10-4B1A |

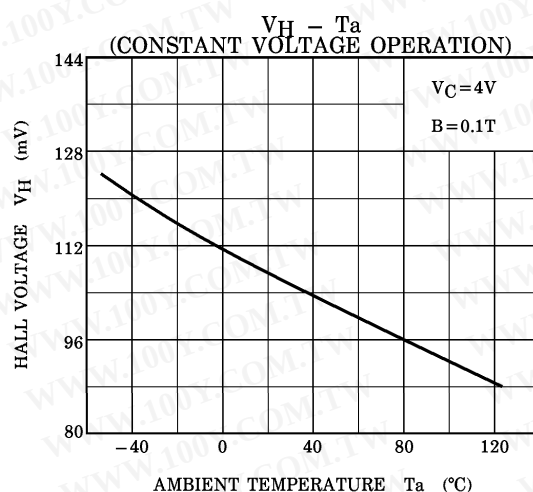
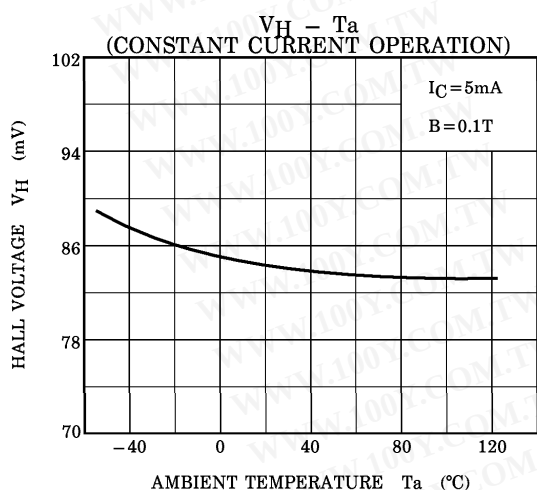
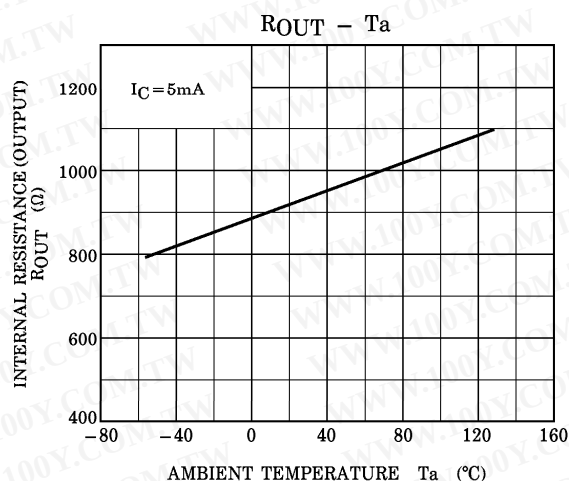
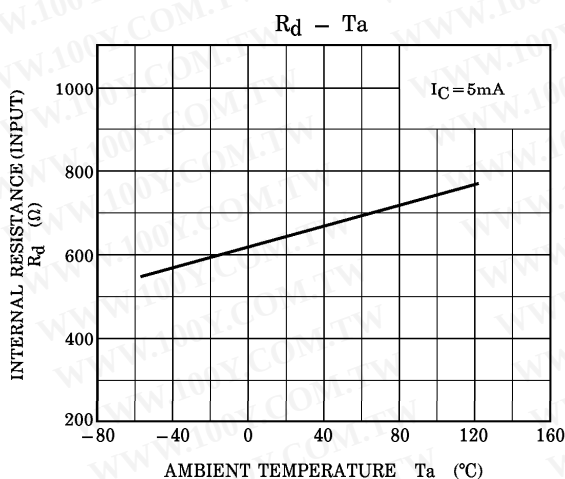
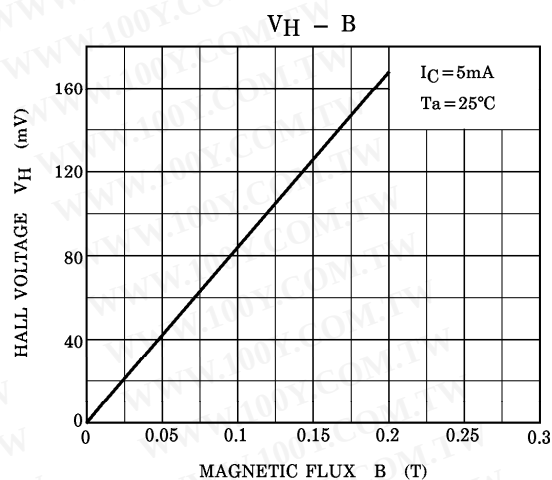
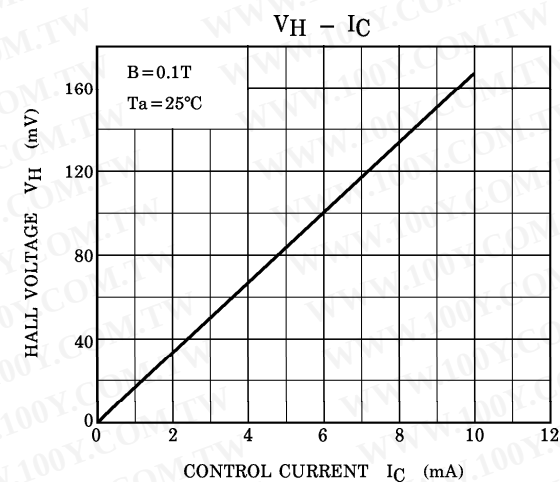
Weight : 0.06g

CHARACTERISTIC		SYMBOL	RATING	UNIT
Control Current	DC	I _C	10	mA
	1s		15	
Power Dissipation		P _D	150	mW
Operating Temperature Range		T _{opr}	−55~125	°C
Storage Temperature Range		T _{stg}	−55~150	°C

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Internal Resistance (Input)	R_d	$I_C=5mA$	450	—	900	Ω
Residual Voltage Ratio	V_{HO}/V_H	$I_C=5mA, B=0/B=0.1T$	—	—	± 10	%
Hall Voltage (Note 1)	V_H	$I_C=5mA, B=0.1T$	55	—	140	mV
Temperature Coefficient (Note 2)	V_{HT}	$I_C=5mA, B=0.1T$ $T_1=25^{\circ}C, T_a=125^{\circ}C$	—	—	-0.06	%/ $^{\circ}C$
Linearity (Note 3)	ΔK_H	$I_C=5mA, B_1=0.1T, B_2=0.5T$	—	—	2	%
Specific Sensitivity (Note 4)	K^*	$I_C=5mA, B=0.1T$	—	27	—	$\times 10^{-2}/T$
Internal Resistance (Output)	R_{OUT}	$I_C=5mA$	580	—	1350	Ω

Note 4 : $K^* = V_H / (R_d \times I_C \times B) = K_H / R_d$

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