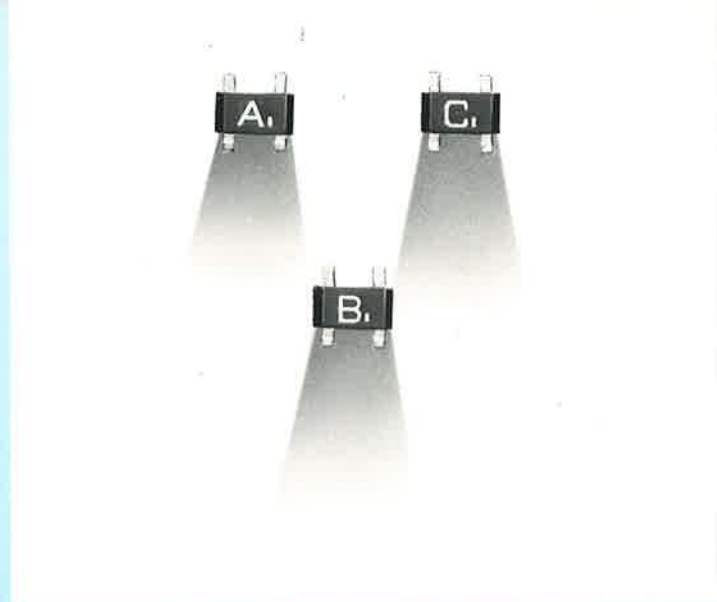




HW-101A

●Ratig

ITEM	DESCRIPTION	RATING	UNIT
Max. input current (I_c)	40°C const. current drive	20	mA
Max. input voltage (V_{in})	40°C const. voltage drive	2.0	V
Operating temperature		-20 ~ 100	°C
Storage temperature		-40 ~ 110	°C

●Electrical Characteristics

ITEM	DESCRIPTION	MIN.	AVE.	MAX.	UNIT
Output voltage (V_H) *	B = 500 Gauss $V_{in} = 1V$, $T_a = 25^\circ C$ (Const. voltage drive)	122		274	mV
Input resistance (R_{in})	B = 0, $I_c = 0.1mA$	240		550	Ω
Output resistance (R_{out})	B = 0, $I_c = 0.1mA$	240		550	Ω
Residual voltage (V_u)	B = 0, $V_{in} = 1V$	-7		7	mV
Change of output voltage with temperature (α_H)	Average on 0 ~ 40°C B = 500G, $I_c = 5mA$		-2.0		%/°C
Change of input resistance with temperature (α_R)	Average on 0 ~ 40°C B = 0 G, $I_c = 0.1mA$		-2.0		%/°C
Dielectric strength	100V D.C. $T_a = 25^\circ C$	1.0			M Ω

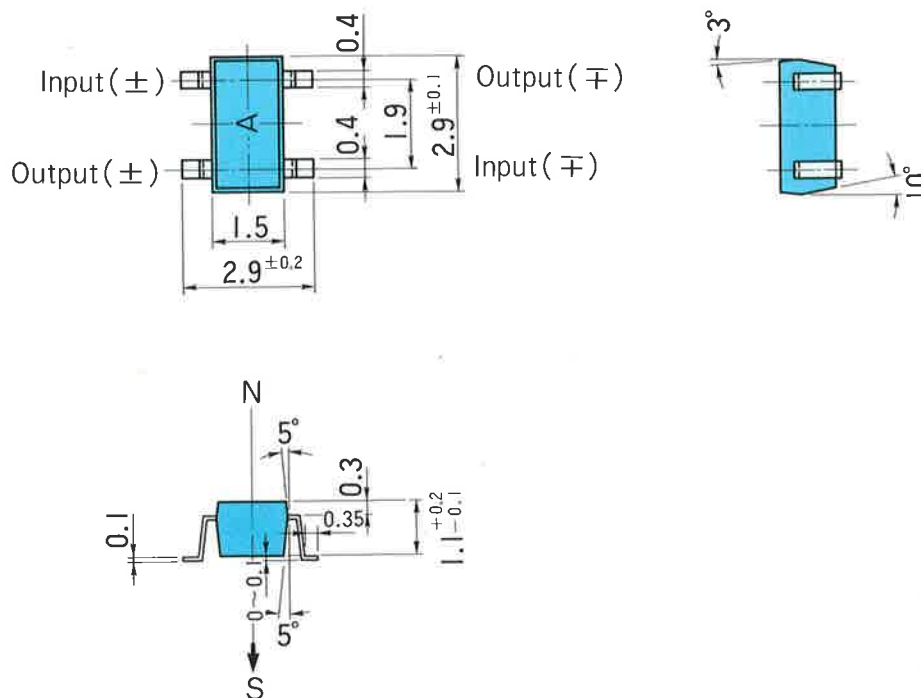
* $V_H = V_{HM} - V_U$ (V_{HM} : meter indication)

●Classification of Output Voltage

MARK	DESCRIPTION	MIN.	MAX.	UNIT
A	B = 500 $V_{in} = 1V$, $T_a = 25^\circ C$ (Constant voltage drive)	122	150	mV
B		144	174	
C		168	204	
D		196	236	
E		228	274	

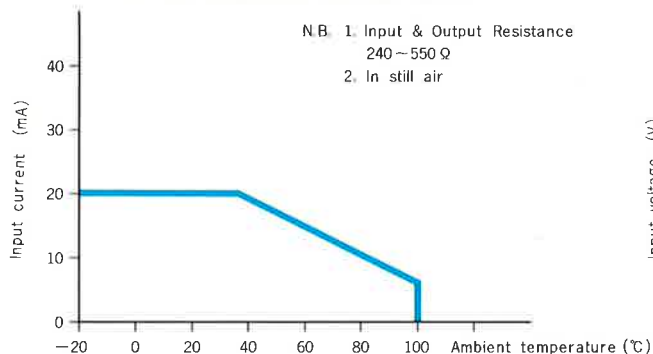
HW-101A

(Dimension)

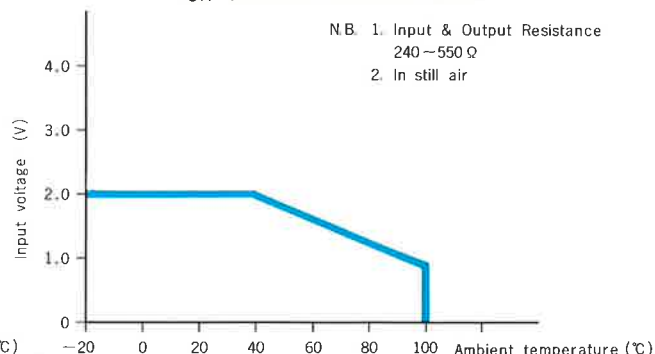


(Unit : mm)

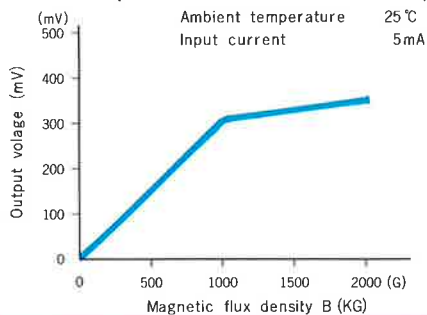
Range of suitable input current
on constant current drive



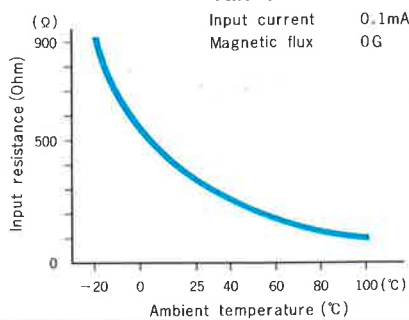
Range of suitable input voltage
on constant voltage drive



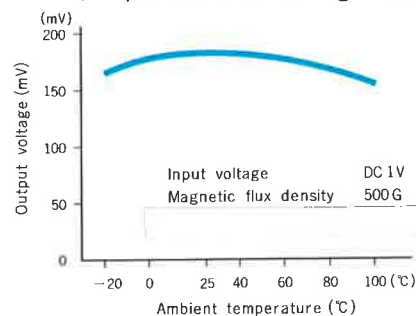
V_H-B (on constant current drive)



R_{in}-T



V_H-T (on constant voltage drive)



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HW-300A



HW-300A

●Ratig

ITEM	DESCRIPTION	RATING	UNIT
Max. input current (Ic)	40℃ const. current drive	20	mA
Max. input voltage (Vin)	40℃ const. voltage drive	2.0	V
Operating temperature		-20 ~ 100	℃
Storage temperature		-40 ~ 110	℃

●Electrical Characteristics

ITEM	DESCRIPTION	MIN.	AVE.	MAX.	UNIT
Output voltage (V _H) *	B = 500 Gauss Vin = 1V, Ta = 25℃ (Const. voltage drive)	122		274	mV
Input resistance (Rin)	B = 0, Ic = 0.1mA	240		550	Ω
Output resistance (Rout)	B = 0, Ic = 0.1mA	240		550	Ω
Residual voltage (Vu)	B = 0, Vin = 1V	-7		7	mV
Change of output voltage with temperature (α _H)	Average on 0 ~ 40℃ B = 500G, Ic = 5mA		-2.0		%/℃
Change of input resistance with temperature (α _R)	Average on 0 ~ 40℃ B = 0 G, Ic = 0.1mA		-2.0		%/℃
Dielectric strength	100V D.C. Ta = 25℃	1.0			MΩ

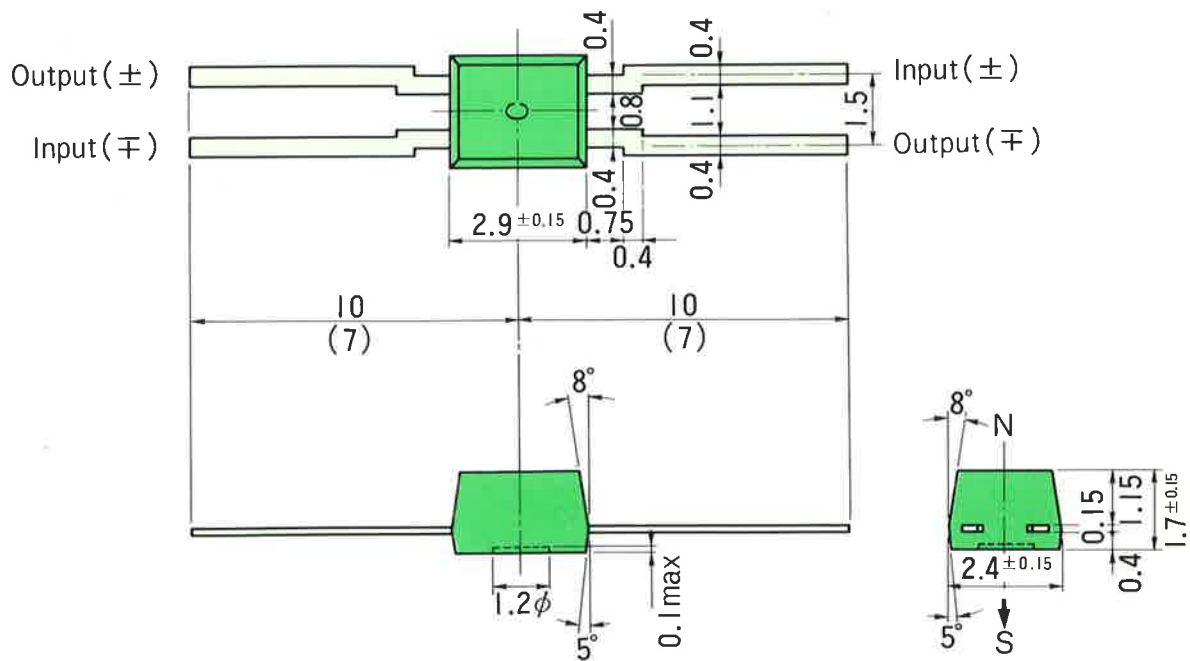
* $V_H = V_{HM} - V_u$ (V_{HM} : meter indication)

●Classification of Output Voltage

MARK	DESCRIPTION	MIN.	MAX.	UNIT
A	B = 500 Vin = 1 V, Ta = 25℃ (Constant voltage drive)	122	150	mV
B		144	174	
C		168	204	
D		196	236	
E		228	274	

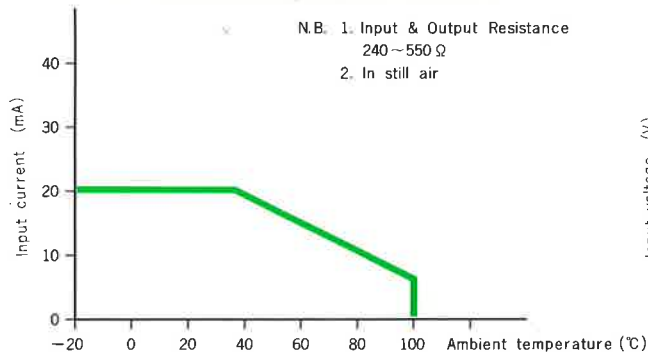
HW-300A

(Dimension)



(Unit : mm)

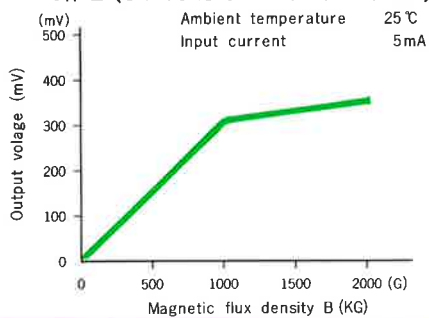
Range of suitable input current
on constant current drive



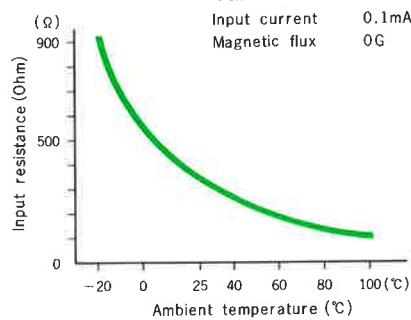
Range of suitable input voltage
on constant voltage drive



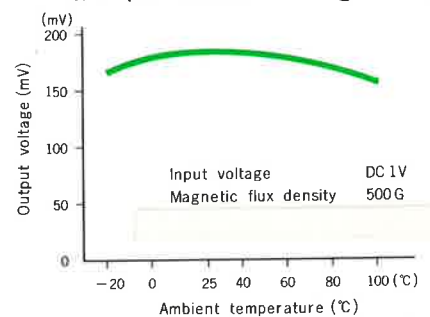
V_H-B (on constant current drive)



R_{in}-T

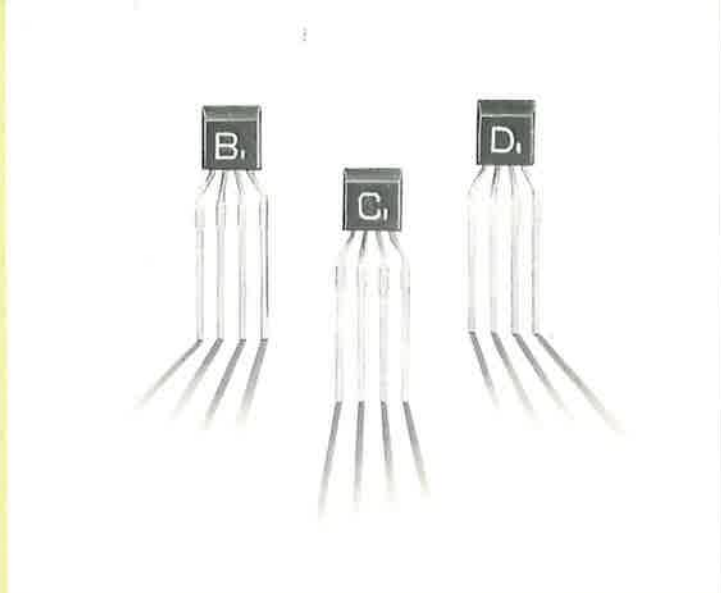


V_H-T (on constant voltage drive)



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HW-300B



HW-300B

●Ratig

ITEM	DESCRIPTION	RATING	UNIT
Max. input current (Ic)	40℃ const. current drive	20	mA
Max. input voltage (Vin)	40℃ const. voltage drive	2.0	V
Operating temperature		-20 ~ 100	℃
Storage temperature		-40 ~ 110	℃

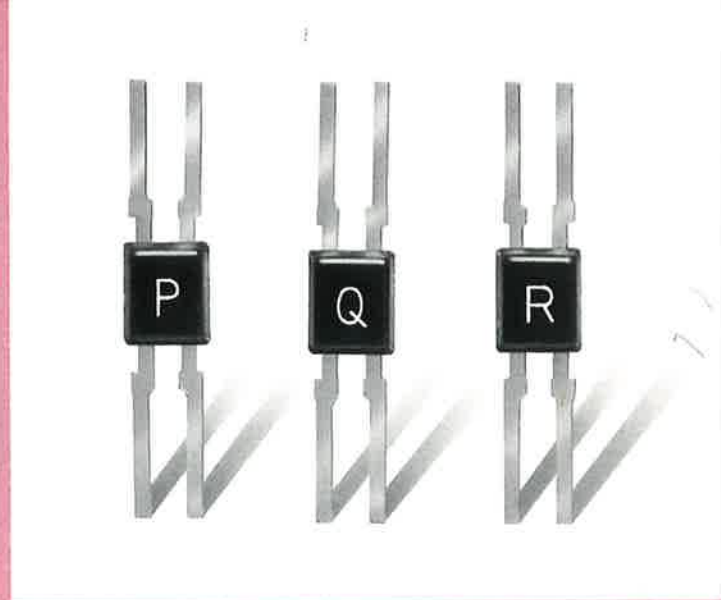
●Electrical Characteristics

ITEM	DESCRIPTION	MIN.	AVE.	MAX.	UNIT
Output voltage (V _H) *	B = 500 Gauss Vin = 1V, Ta = 25℃ (Const. voltage drive)	122		274	mV
Input resistance (Rin)	B = 0, Ic = 0.1mA	240		550	Ω
Output resistance (Rout)	B = 0, Ic = 0.1mA	240		550	Ω
Residual voltage (Vu)	B = 0, Vin = 1V	-7		7	mV
Change of output voltage with temperature (α _H)	Average on 0 ~ 40℃ B = 500G, Ic = 5mA		-2.0		%/℃
Change of input resistance with temperature (α _R)	Average on 0 ~ 40℃ B = 0 G, Ic = 0.1mA		-2.0		%/℃
Dielectric strength	100V D.C. Ta = 25℃	1.0			MΩ

* V_H = V_{HM} - V_U (V_{HM} : meter indication)

●Classification of Output Voltage

MARK	DESCRIPTION	MIN.	MAX.	UNIT
A	B = 500 Vin = 1 V, Ta = 25℃ (Constant voltage drive)	122	150	mV
B		144	174	
C		168	204	
D		196	236	
E		228	274	



HW-300C

●Rating

ITEM	DESCRIPTION	RATING	UNIT
Max. input current (I_c)	40 °C const. current drive	20	mA
Max. input voltage (V_{in})	40 °C const. voltage drive	2.0	V
Operating temperature		-20 ~ 100	°C
Storage temperature		-40 ~ 110	°C

●Electrical Characteristics

ITEM	DESCRIPTION	MIN.	AVE.	MAX.	UNIT
Output voltage (V_H) *	B = 500 Gauss $V_{in} = 1V$, $T_a = 25^\circ C$ (Const. voltage drive)	31		74	mV
Input resistance (R_{in})	B = 0, $I_c = 0.1mA$	240		550	Ω
Output resistance (R_{out})	B = 0, $I_c = 0.1mA$	240		550	Ω
Residual voltage (V_u)	B = 0, $V_{in} = 1V$	-7		7	mV
Change of output voltage with temperature (α_H)	Average on 0 ~ 40 °C B = 500G, $I_c = 5mA$		-2.0		%/°C
Change of input resistance with temperature (α_R)	Average on 0 ~ 40 °C B = 0 G, $I_c = 0.1mA$		-2.0		%/°C
Lineality (β_L)	Linear correspondence at B = 0, 500, 3k G, $T_a = 25^\circ C$			5	%
Dielectric strength	100V D.C. $T_a = 25^\circ C$	1.0			M Ω

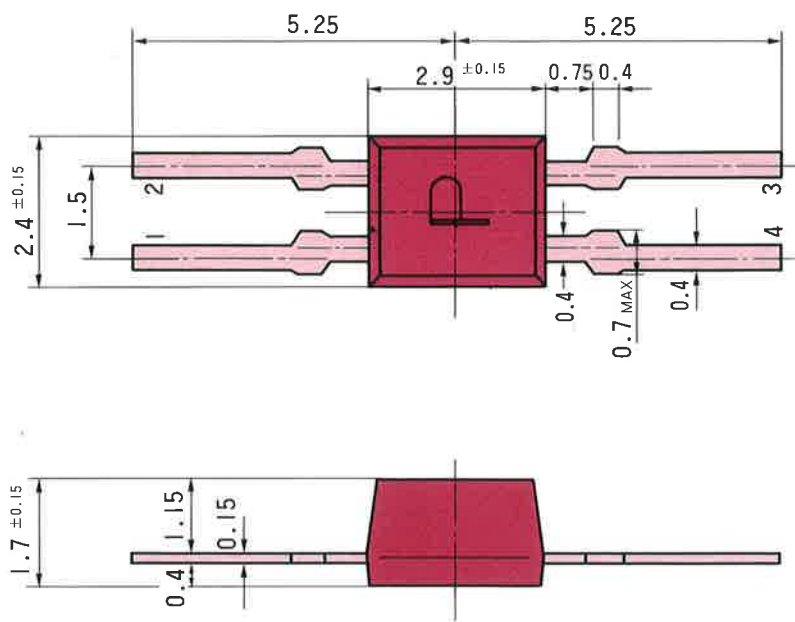
* $V_H = V_{HM} - V_u$ (V_{HM} : meter indication)

●Classification of Output Voltage

MARK	DESCRIPTION	MIN.	MAX.	UNIT
P	B = 500 $V_{in} = 1V$, $T_a = 25^\circ C$ (Constant voltage drive)	31	45	mV
Q		41	57	
R		51	74	

HW-300C

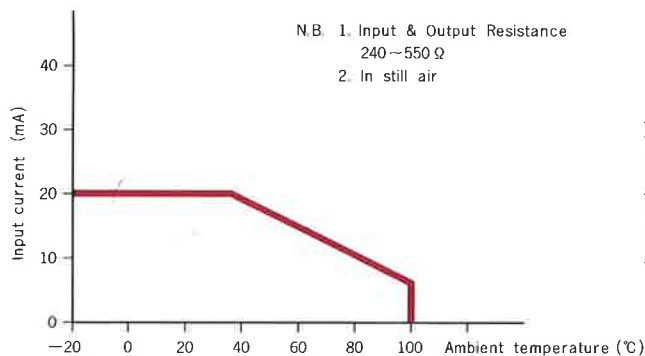
(Dimension)



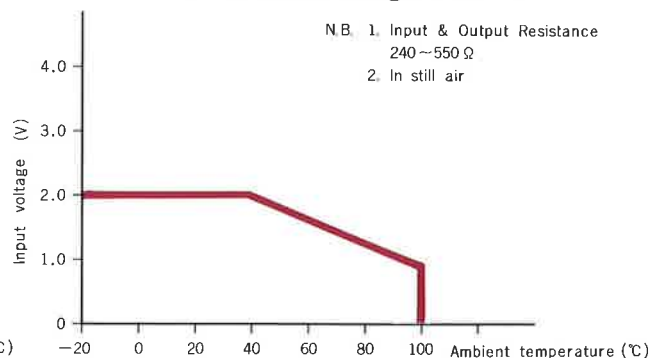
Input; 1 (+) 3 (-)
Output; 2 (-) 4 (+)

(Unit : mm)

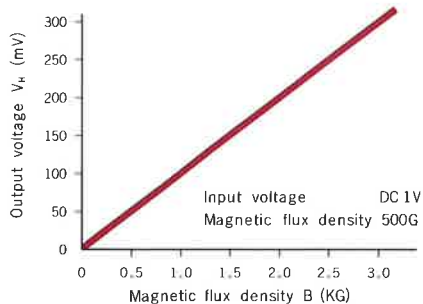
Range of suitable input current
on constant current drive



Range of suitable input voltage
on constant voltage drive

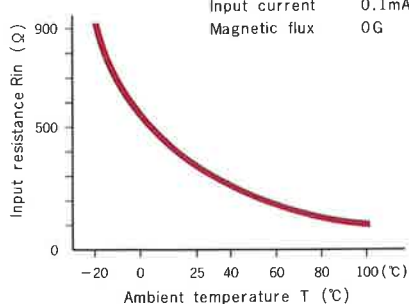


V_H-B (on constant voltage drive)

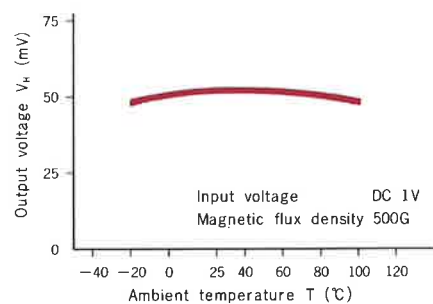


$R_{in}-T$

Input current 0.1mA
Magnetic flux 0G



V_H-T (on constant voltage drive)



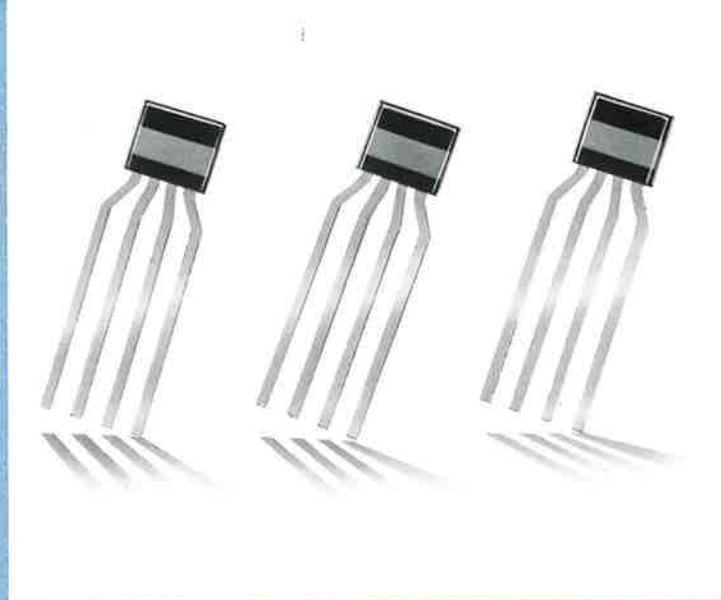
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HW-302C



HW-302C

●Rating

ITEM	DESCRIPTION	RATING	UNIT
Max. input current (I_c)	40 °C const. current drive	20	mA
Max. input voltage (V_{in})	40 °C const. voltage drive	2.0	V
Operating temperature		-20 ~ 100	°C
Storage temperature		-40 ~ 110	°C

●Electrical Characteristics

ITEM	DESCRIPTION	MIN.	AVE.	MAX.	UNIT
Output voltage (V_H) *	B = 500 Gauss $V_{in} = 1V$, $T_a = 25^\circ C$ (Const. voltage drive)	31		74	mV
Input resistance (R_{in})	B = 0, $I_c = 0.1mA$	240		550	Ω
Output resistance (R_{out})	B = 0, $I_c = 0.1mA$	240		550	Ω
Residual voltage (V_u)	B = 0, $V_{in} = 1V$	-7		7	mV
Change of output voltage with temperature (α_H)	Average on 0 ~ 40 °C B = 500G, $I_c = 5mA$		-2.0		%/°C
Change of input resistance with temperature (α_R)	Average on 0 ~ 40 °C B = 0 G, $I_c = 0.1mA$		-2.0		%/°C
Lineality (β_L)	Linear correspondence at B = 0, 500, 3k G, $T_a = 25^\circ C$			5	%
Dielectric streneth	100V D.C. $T_a = 25^\circ C$	1.0			M Ω

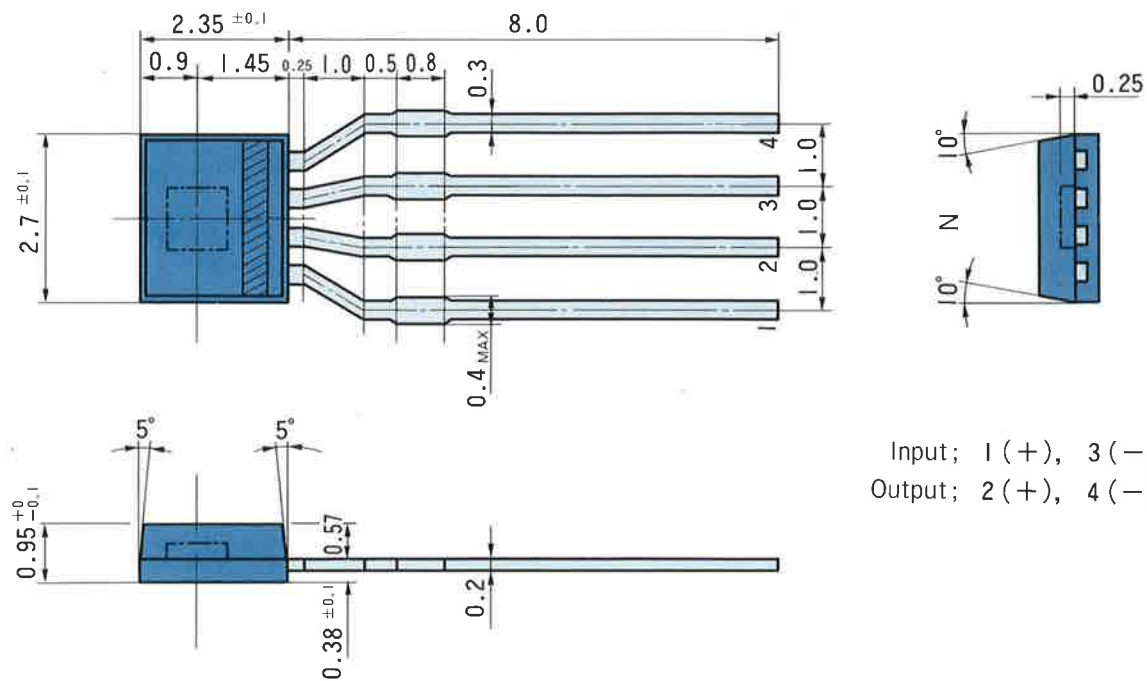
* $V_H = V_{HM} - V_u$ (V_{HM} : meter indication)

●Classification of Output Voltage

MARK	DESCRIPTION	MIN.	MAX.	UNIT
P	B = 500 $V_{in} = 1V$, $T_a = 25^\circ C$ (Constant voltage drive)	31	45	mV
Q		41	57	
R		51	74	

HW-302C

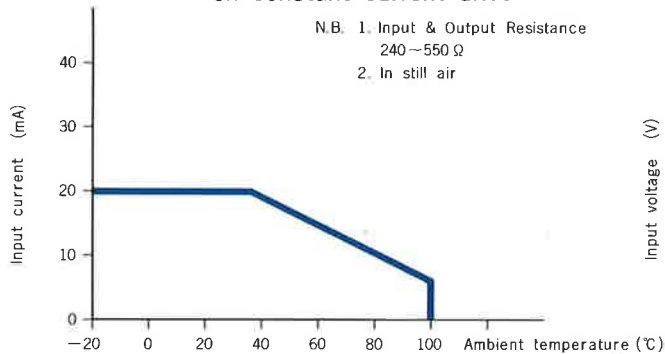
(Dimension)



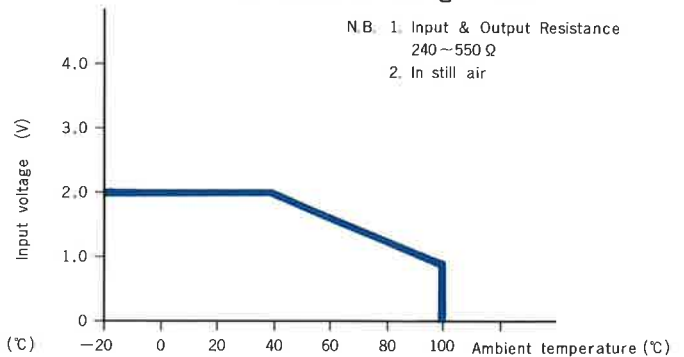
Input; 1 (+), 3 (-)
Output; 2 (+), 4 (-)

(Unit : mm)

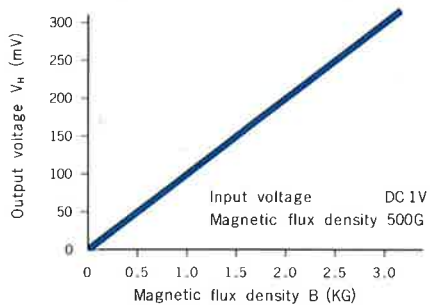
Range of suitable input current
on constant current drive



Range of suitable input voltage
on constant voltage drive

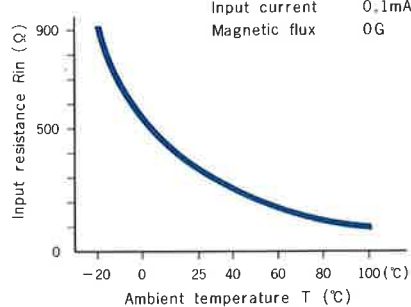


V_H-B (on constant voltage drive)

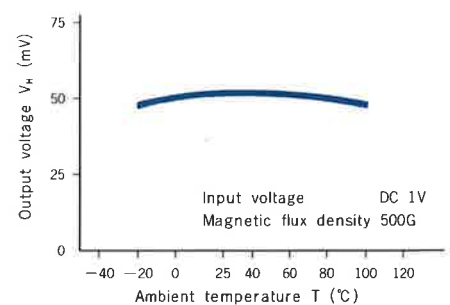


R_{in}-T

Input current 0.1mA
Magnetic flux 0G



V_H-T (on constant voltage drive)



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