Absolute Maximum Rating:

Parameter	Symbol	Value	Unit
Input current	I_i	20(T_A=40•ж)	mA
Input voltage	V_i	2(T_A=40•ж)	V
Operating temperature range	T_A	-40-110	•ж
Storage temperature range	T_S	-40-120	•ж

Characteristics (constant voltage driven)

Parameter	Symbol	Test Condition		Type and Value					
				TY211	TY311	TY101A	TY320	TY300D	TY300B-CS
Hall output voltage	V_H (mV)	Constant voltage driven Vi=1V B=50mT	Min	30	30	120	120	30	120
			Max	75	75	370	370	75	370
Offset voltage	V_O(mV)	B=0 Vi=1V	Min	-7	-7	-7	-7	-7	-7
			Max	+7	+7	+7	+7	+7	+7
Input resistance	R_i (¦ ë)	B=0 Ii=0.1mA	Min	240	240	240	240	240	240
			Max	550	550	550	550	550	550
Output resistance	Ro (¦ ë)	B=0 Ii=0.1mA	Min	240	240	240	240	240	240
			Max	550	550	550	550	550	550
Output voltage temperature coefficient	¦ Б $_{VH}$(%/•ж)	B=50mT I_i=5mA	max	-2	-2	-2	-2	-2	-2
Input resistance temperature coefficient	¦ Б $_{Ri}$ (%/•ж)	B=0 Ii=0.1mA							
Isulation resistance	(M¦ ë)	100VDC		>1.0	>1.0	>1.0	>1.0	>1.0	>1.0

Note:
1.The Hall output voltage V_H =The effective voltage-V_O
2.The types are different according to the Hall output voltage V_H(mV)

The type according to the Hall output voltage

P/N	Output Voltage (mV)
P	30~50
Q	45~60
R	55~75
B	145~175
C	170~200
D	195~230
E	225~275
F	270~320
G	315~370

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