

Датчик тока с разомкнутым контуром

Датчик тока Холла с разомкнутым контуром использует принцип прямого тестирования с разомкнутым контуром для проверки постоянного тока, переменного тока и импульсного тока, а первичный ток электрически изолирован от вторичного выходного сигнала. Выходные значения могут быть настроены. Продукт имеет основную структуру, отсутствие повреждений, стиль оболочки и разнообразие. Для конструкции сплит-сердечника нет необходимости отключать основную шину для установки.

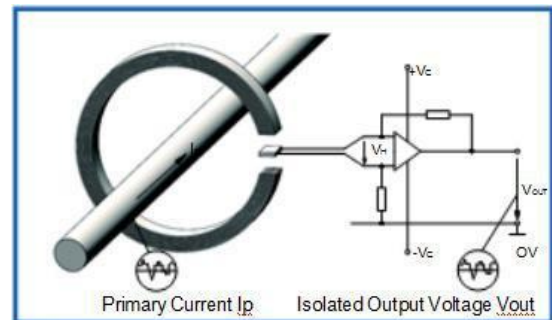
принцип работы

Сосредоточьтесь на текущем потоке, создаваемом потоком I_p .

Ядро с использованием элемента Холла в воздушном зазоре для тестирования, выход элемента Холла может точно отражать выходную сторону датчика после обработки изменений первичного тока.

функция

- малый размер
- низкое энергопотребление
- широкий диапазон измерений
- отсутствие вносимых потерь
- легкий вес



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Part No.	Nominal Current I_N (A)	Measuring Range I_P (A)	Rated Output V_m \checkmark VD	Supply Voltage V_c (V)	Frequency \checkmark KHZD	Accuracy $T_a=25^\circ\text{C}$ \checkmark %D	Operating Temperature T_a $^\circ\text{C}$	Ratio Error \checkmark VD	Insulation Resistance \checkmark VD	Dimensions (mm)	Weight (g)	Price (USD)
GW3HOS-50i4	50	75	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	2.5	< 10	$\Phi 16$	6	5
GWHOS-100i4	100	150	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	2.5	< 10	$\Phi 16$	6	5
GWHOS-200i4	200	300	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	2.5	< 10	$\Phi 16$	6	5
GWHOS-300i4	300	450	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	2.5	< 10	$\Phi 16$	6	5
GWHOS-50G	50	75	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	2.5	< 3	10x20	7	39
GWHOS-100G	100	150	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	2.5	< 3	10x20	7	39
GWHOS-200G	200	300	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	2.5	< 3	10x20	7	39
GWHOS-300G	300	450	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	2.5	< 3	10x20	7	39
GWHOS-400G	400	600	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	2.5	< 3	10x20	7	39
GWHOS-500G	500	750	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	2.5	< 3	10x20	7	39
GWHOS-600G	600	900	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	2.5	< 3	10x20	7	39
GWHOS-50C	50	75	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 20$	7	10
GWHOS-100C	100	150	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 20$	7	10
GWHOS-200C	200	300	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 20$	7	10
GWHOS-300C	300	450	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 20$	7	10
GWHOS-400C	400	600	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 20$	7	10
GWHOS-600C	600	900	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 20$	7	10
GWHOS-100C5	100	150	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 25$	7	11

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Part No.	Nominal Current I_N (A)	Measuring Range I_P (A)	Rated Output V_M CVD	Supply Voltage V_C (V)	Frequency ξ KHZD	Accuracy $T_a=25^\circ\text{C}$ $\xi\%$ D	Operating Temperature T_a $\xi^\circ\text{C}$ D	Isolation Voltage V_i ξ KVD	Responding Time $\xi\mu\text{s}$ D	Window ξmm D	Connection Figure NO.	Profile NO.
GWHOS-200C5	200	300	± 4	$\pm 12\sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 25$	7	11
GWHOS-400C5	400	600	± 4	$\pm 12\sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 25$	7	11
GWHOS-600C5	600	900	± 4	$\pm 12\sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 25$	7	11
GWHOS-200C6	200	300	± 4	$\pm 12\sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 30$	7	12
GWHOS-400C6	400	600	± 4	$\pm 12\sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 30$	7	12
GWHOS-600C6	600	900	± 4	$\pm 12\sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 30$	7	12
GWHOS-800C6	800	1200	± 4	$\pm 12\sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 30$	7	12
GWHOS-200C7	200	300	± 4	$\pm 12\sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 35$	7	13
GWHOS-400C7	400	600	± 4	$\pm 12\sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 35$	7	13
GWHOS-600C7	600	900	± 4	$\pm 12\sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 35$	7	13
GWHOS-800C7	800	1200	± 4	$\pm 12\sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 35$	7	13
GWHOS-1000C7	1000	1500	± 4	$\pm 12\sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 35$	7	13
GWHOS-500C8	500	750	± 4	$\pm 12\sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 45$	7	14
GWHOS-600C8	600	900	± 4	$\pm 12\sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 45$	7	14
GWHOS-800C8	800	1200	± 4	$\pm 12\sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 45$	7	14
GWHOS-1000C8	1000	1500	± 4	$\pm 12\sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 45$	7	14
GWHOS-1500C8	1500	2250	± 4	$\pm 12\sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 45$	7	14

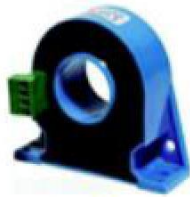
Part No.	Nominal Current I_N (A)	Measuring Range I_P (A)	Rated Output I_{OUT} ξmA V_{OUT} CVD	Supply Voltage V_C (V)	Frequency ξ KHZD	Accuracy $T_a=25^\circ\text{C}$ $\xi\%$ D	Operating Temperature T_a $\xi^\circ\text{C}$ D	Isolation Voltage V_i ξ KVD	Responding Time $\xi\mu\text{s}$ D	Window ξmm D	Connection Figure NO.	Profile NO.
GWHOS-50Q1	50	75	± 4	$\pm 12\sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 21$	7	40
GWHOS-100Q1	100	150	± 4	$\pm 12\sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 21$	7	40
GWHOS-200Q1	200	300	± 4	$\pm 12\sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 21$	7	40
GWHOS-300Q1	300	450	± 4	$\pm 12\sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 21$	7	40
GWHOS-400Q1	400	600	± 4	$\pm 12\sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 21$	7	40
GWHOS-500Q1	500	750	± 4	$\pm 12\sim 15$	0-20	1.0	-25...+85	5	< 10	$\Phi 21$	7	40



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Part No.	Normal Current I _N (A)	Measuring Range I _P (A)	Rated Output V _M CVD	Supply Voltage V _C (V)	Frequency cKHZU	Accuracy I _a = 25°C (%F)	Operating Temperature I _a °C(F)	Isolation Voltage V _i KVU	Responding Time msU	Window mmD	Connection Figure NO.	Profile NO.
GWHOS-100Q11	100	150	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ35	7	41
GWHOS-200Q11	200	300	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ35	7	41
GWHOS-400Q11	400	600	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ35	7	41
GWHOS-600Q11	600	900	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ35	7	41
GWHOS-800Q11	800	1200	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ35	7	41
GWHOS-50Q2	50	75	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ25	7	42
GWHOS-100Q2	100	150	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ25	7	42
GWHOS-200Q2	200	300	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ25	7	42
GWHOS-300Q2	300	450	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ25	7	42
GWHOS-400Q2	400	600	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ25	7	42
GWHOS-500Q2	500	750	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ25	7	42
GWHOS-600Q2	600	900	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ25	7	42
GWHOS-100Q3	100	150	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ35	7	43
GWHOS-200Q3	200	300	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ35	7	43
GWHOS-400Q3	400	600	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ35	7	43
GWHOS-600Q3	600	900	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ35	7	43
GWHOS-100Q4	100	150	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ50	7	44
GWHOS-200Q4	200	300	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ50	7	44
GWHOS-400Q4	400	600	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ50	7	44
GWHOS-600Q4	600	900	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ50	7	44
GWHOS-800Q4	800	1200	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ50	7	44
GWHOS-1000Q4	1000	1500	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ50	7	44
GWHOS-50K1	50	75	±4	±12~15	0-20	1.0	-25...+85	5	< 10	42x15	7	45
GWHOS-100K1	100	150	±4	±12~15	0-20	1.0	-25...+85	5	< 10	42x15	7	45
GWHOS-200K1	200	300	±4	±12~15	0-20	1.0	-25...+85	5	< 10	42x15	7	45
GWHOS-300K1	300	450	±4	±12~15	0-20	1.0	-25...+85	5	< 10	42x15	7	45
GWHOS-400K1	400	600	±4	±12~15	0-20	1.0	-25...+85	5	< 10	42x15	7	45
GWHOS-500K1	500	750	±4	±12~15	0-20	1.0	-25...+85	5	< 10	42x15	7	45
GWHOS-600K1	600	900	±4	±12~15	0-20	1.0	-25...+85	5	< 10	42x15	7	45
GWHOS-200K2	200	300	±4	±12~15	0-20	1.0	-25...+85	5	< 10	64x16	7	46

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Part No.	Nominal Current I_n (A)	Measuring Range I_p (A)	Rated Output V_m (V)	Supply Voltage V_c (V)	Frequency f (KHZ)	Accuracy $T_a=25^\circ\text{C}$ $\pm\%$	Operating Temperature T_a ($^\circ\text{C}$)	Isolation Voltage V_i (KV)	Responding Time t (μs)	Window ϕ (mm)	Connection Figure NO.	Profile NO.
GWHOS-400K2	400	600	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	64x16	7	46
GWHOS-600K2	600	900	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	64x16	7	46
GWHOS-800K2	800	1200	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	64x16	7	46
GWHOS-1000K2	1000	1500	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	64x16	7	46
GWHOS-1000K3	1000	1500	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	84x22	7	47
GWHOS-2000K3	2000	3000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	84x22	7	47
GWHOS-3000K3	3000	4500	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	84x22	7	47
GWHOS-5000K3	5000	6000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	84x22	7	47
GWHOS-6000K3	6000	9000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	84x22	7	47
GWHOS-1000K4	1000	1500	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	100x42	7	48
GWHOS-2000K4	2000	3000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	100x42	7	48
GWHOS-3000K4	3000	4500	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	100x42	7	48
GWHOS-4000K4	4000	6000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	100x42	7	48
GWHOS-6000K4	6000	9000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	5	< 10	100x42	7	48
GWHOS-1000K5	1000	1500	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	82x22	7	49
GWHOS-2000K5	2000	3000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	82x22	7	49
GWHOS-3000K5	3000	4500	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	82x22	7	49
GWHOS-4000K5	4000	6000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	82x22	7	49
GWHOS-5000K5	5000	7500	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	82x22	7	49
GWHOS-6000K5	6000	9000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	82x22	7	49
GWHOS-2000K6	2000	3000	± 4	$\pm 12 \sim 15$	0-20	1.0	-25...+85	6	< 10	122x22	7	50



GWHOS-3000K6	3000	4500	±4	±12~15	0-20	1.0	-25...+85	6	< 10	22x22	7	50
GWHOS-5000K6	5000	7500	±4	±12~15	0-20	1.0	-25...+85	6	< 10	22x22	7	50
GWHOS-8000K6	8000	12000	±4	±12~15	0-20	1.0	-25...+85	6	< 10	22x22	7	50
GWHOS-10000K6	10000	15000	±4	±12~15	0-20	1.0	-25...+85	6	< 10	22x22	7	50
GWHOS-3000K7	3000	4500	±4	±12~15	0-20	1.0	-25...+85	6	< 10	184x44	7	51
GWHOS-5000K7	5000	7500	±4	±12~15	0-20	1.0	-25...+85	6	< 10	184x44	7	51
GWHOS-8000K7	8000	12000	±4	±12~15	0-20	1.0	-25...+85	6	< 10	184x44	7	51
GWHOS-10000K7	10000	15000	±4	±12~15	0-20	1.0	-25...+85	6	< 10	184x44	7	51



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