



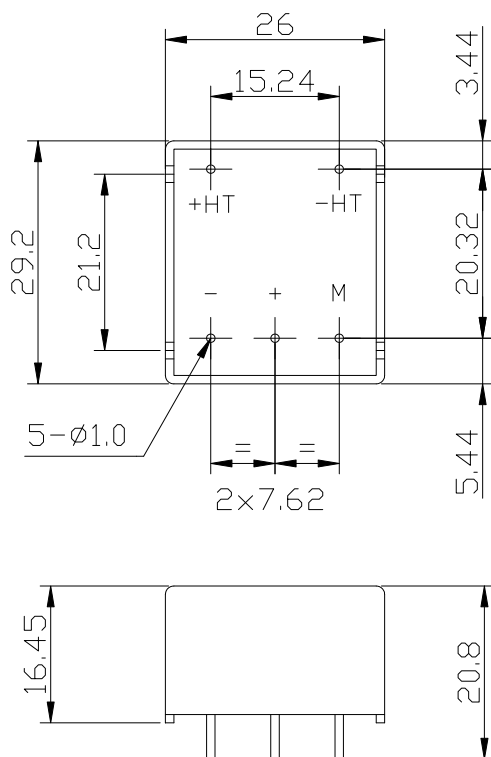
SENSOR Module CHV-25P

$I_N = 10\text{mA}$

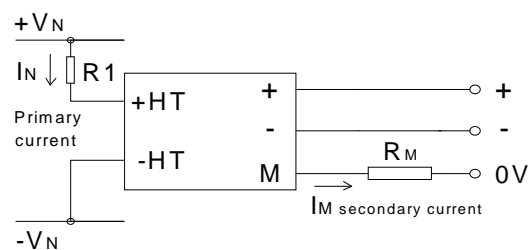
Specifications: Closed loop Hall voltage sensor, Nominal current 10mA for measuring of voltage or currents: AC/DC/pulsed

Type	CHV-25P	
I_N	Nominal current	10mA (RMS)
I_P	Measuring range	0...±14mA
R_M	Measuring resistance ($V_c = \pm 12 \dots 15\text{V}$)	R_M min
		R_M max
		0Ω (at 10mA or 14mA) 350Ω (at 10mA); 190Ω (at 14mA)
I_M	Output current	Nominal output current 25mA, for primary nominal current $I_N = 10\text{mA}$
X	Accuracy	$I_N \pm 1.0\%$ ($T_a = +25^\circ\text{C}$)
K_N	Turns ratio	2500:1000
V_c	Supply voltage	$\pm 12\text{V} \dots 15\text{V}$ ($\pm 5\%$)
I_c	Current consumption	10mA + I_M
V_i	Isolation voltage	Between primary and secondary circuit: 2.5KV RMS/50Hz/1min.
I_{off}	Offset current	$\pm 0.2\text{mA}$ max, for primary current $I_N = 0$ ($T_a = +25^\circ\text{C}$)
T_d	Temperature drift	$\pm 0.2\text{mA}$ Typical; $\pm 0.3\text{mA}$ Max ($0^\circ\text{C} \dots +70^\circ\text{C}$)
L	Linearity	< 0.1%
T_r	Response time	< 10μS
	di/dt
f	Frequency bandwidth	0...100KHz
T_a	Operating temperature	$0^\circ\text{C} \dots +70^\circ\text{C}$
T_s	Storage temperature	$-40^\circ\text{C} \dots +85^\circ\text{C}$
R_s	Secondary resistance	110Ω ($T_a = +70^\circ\text{C}$)
	Primary resistance	250Ω ($T_a = +70^\circ\text{C}$)
W	Weight	18g

Dimensions (mm):



Connection:



Primary terminals:
 +HT: input high voltage
 -HT: input low voltage

Secondary terminals:
 Terminal +: supply voltage +12V...15V
 Terminal -: supply voltage -12V...15V
 Terminal M: output

Note:
 CHV-25P is usually used
 to measure 10V...600V
 DC, AC, pulsed voltage
 or lower current.

