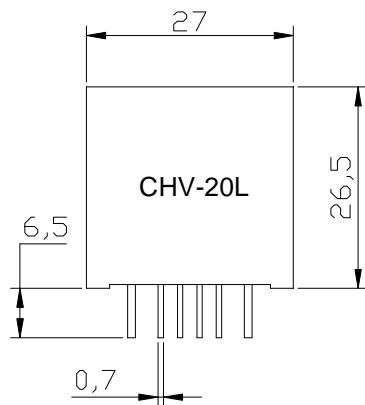
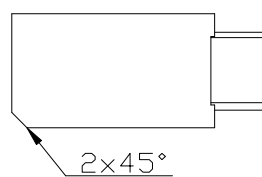
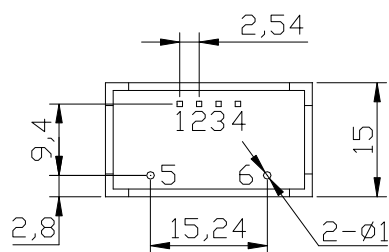




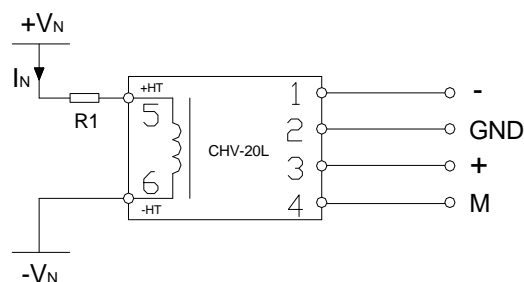
Specifications: Closed loop Hall voltage sensor, Nominal current 100mA for measuring of voltage or currents: AC, DC, pulsed

	Type	CHV-20L
I_N	Nominal current (RMS)	100mA
I_P	Measuring range (I_{P-P})	0...±120mA
R_M	Measuring resistance ($V_C = \pm 12 \dots 15\text{V}$)	$R_M \text{ min}$
V_M	Output voltage	Nominal output voltage 5V, for primary nominal current $I_N = 100\text{mA}$
X	Accuracy	$I_N \pm 1.0\%$ ($T_a = +25^\circ\text{C}$)
K_N	Turns ratio	200:1000
V_C	Supply voltage	$\pm 12 \dots 15\text{V}$ ($\pm 5\%$)
I_C	Current consumption	$10\text{mA} + I_M$
V_i	Isolation voltage	Between primary and secondary circuit: 2.5KV RMS/50Hz/1min.
V_{off}	Offset voltage	$\leq \pm 100\text{mV}$ max, for primary current $I_N = 0$ ($T_a = +25^\circ\text{C}$)
T_d	Temperature drift	V_M of 0.05%/°C ($-25^\circ\text{C} \dots +70^\circ\text{C}$)
L	Linearity	0.1%
T_r	Response time	40μS
	di/dt
f	Frequency bandwidth	0...20KHz
T_a	Operating temperature	$-25^\circ\text{C} \dots +70^\circ\text{C}$
T_s	Storage temperature	$-40^\circ\text{C} \dots +85^\circ\text{C}$
R_s	Secondary resistance	500Ω ($T_a = +70^\circ\text{C}$)
R_N	Primary resistance	2Ω ($T_a = +70^\circ\text{C}$)
W	Weight	18g

Dimensions (mm):



Connection:



Terminals connection:

Secondary terminals:

- 1: supply voltage -12...15V
- 2: GND (\perp , 0V)
- 3: supply voltage +12...15V
- 4: output (M)

Primary terminals:

- 5: input high voltage (+HT)
- 6: input low voltage (-HT)



Note: 1) CHV-20L is usually used to measure DC, AC, pulsed voltage (10...300V) or lower current. 2) Mounting: PCB