



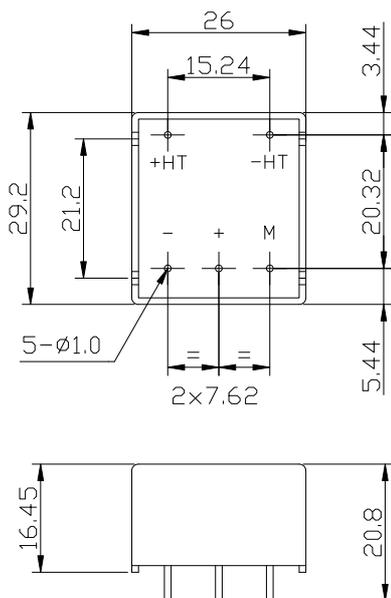
# SENSOR Module CHV-25P

$I_N = 10\text{mA}$

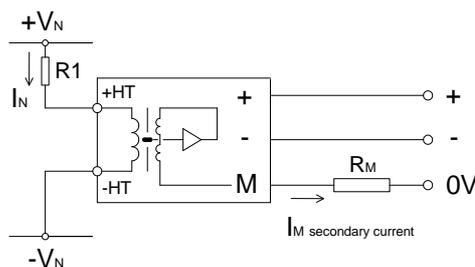
**Specifications:** Closed loop Hall voltage sensor, Nominal current 10mA for measuring of voltage or currents: AC/DC/pulsed

	Type	CHV-25P	
$I_N$	Nominal current (RMS)	10mA	
$I_P$	Measuring range ( $I_{P-P}$ )	0...±14mA	
$R_M$	Measuring resistance	$R_M$ min	$R_M$ max
		( $V_c = \pm 12\text{V}$ )	190Ω (at 10mA); 100Ω (at 14mA)
		( $V_c = \pm 15\text{V}$ )	350Ω (at 10mA); 190Ω (at 14mA)
$I_M$	Output current	Nominal output current 25mA, for primary nominal current $I_N = 10\text{mA}$	
KN	Turns ratio	2500:1000	
X	Accuracy ( $T_a = +25^\circ\text{C}$ )	$I_N \pm 1.0\%$	
$V_c$	Supply voltage	$\pm 12...15\text{V} (\pm 5\%)$	
$V_i$	Isolation voltage	Between primary and secondary circuit: 2.5KV RMS/50Hz/1min.	
$I_{off}$	Offset current ( $T_a = +25^\circ\text{C}$ )	$\pm 0.2\text{mA}$ max, for primary current $I_N = 0$	
Td	Temperature drift	$I_M$ of 0.05%/°C (-25°C...+70°C)	
L	Linearity	0.2%	
Tr	Response time	40μS	
	di/dt	.....	
f	Frequency bandwidth	.....	
Ta	Operating temperature	-25°C...+70°C	
Ts	Storage temperature	-40°C...+90°C	
Ic	Current consumption	10mA+ $I_M$ (Output current)	
Rs	Secondary resistance	110Ω ( $T_a = +70^\circ\text{C}$ )	
RN	Primary resistance	250Ω ( $T_a = +70^\circ\text{C}$ )	
W	Weight	24g	

## Dimensions (mm):



## Connection:



Terminals connection:

Primary terminals:

+HT: input high voltage

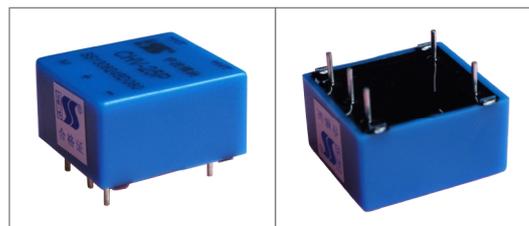
- HT: input low voltage

Secondary terminals:

+: supply voltage +12...15V

M: output

- : supply voltage - 12...15V



1. Output  $I_M$  is positive when the primary current  $I_N$  flows in the direction from pins +HT to -HT.
2. The resistance R1 must be connected when the sensor is used to measure voltages.
3. CHV-25P is recommended to measure 10...600V voltages or lower currents.
4. Mounting: PCB

-The **SENSOR Module** is a sensor of a solid-state component for the electronic measurement of current or voltage with a galvanic isolation between the primary and secondary circuits.  
- Please contact us by We Chat for more information.

