

A-CT2100LT AC Current Transducer

Transducer for the electronic measurement AC waveforms current, with galvanic isolation between the primary (High power) and the secondary circuits (Electronic circuit).

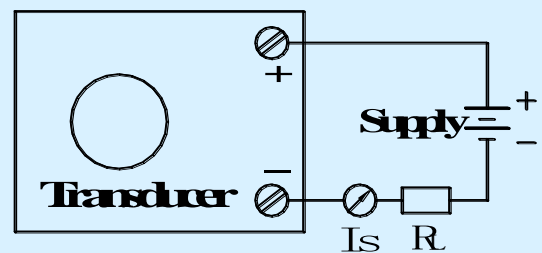
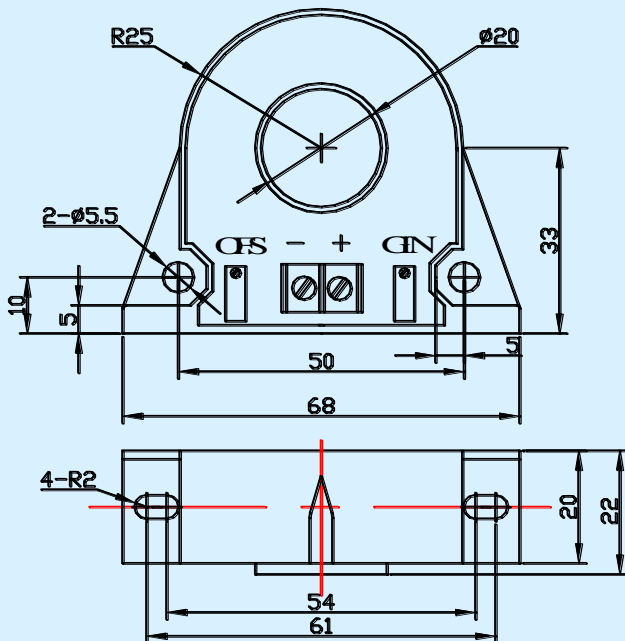


Electrical characteristics

Type	A-CT2010LT	A-CT2020LT	A-CT2030LT	A-CT2050LT	A-CT2100LT	
I_{PN} Primary nominal input current	0~10(AC)	0~20(AC)	0~30(AC)	0~50(AC)	0~100(AC)	A(rms)
I_P Measuring range of primary current	$I_{PN} \times 120\%$					A(rms)
I_{OUT} Secondary Analogue output current	4-20(DC)					mA
V_C Supply voltage	+12~+32					V
R_L Load resistance	$V_C=17V$ 0-250	$V_C=22V$ 0-500	$V_C=27V$ 0-750	$V_C=32V$ 0-1000		Ω
ε_L Linearity	<0.2					%FS
X Accuracy	$T_A=25^\circ C$ < ± 0.8					%
V_D Insulation voltage	AC/50Hz/1min 3					kV
I_0 Zero offset current	$T_A=25^\circ C$ 4 ± 0.10					mA
I_T Thermal drift of I_{OUT}	$T_A= -25\sim+70^\circ C$ < ± 0.005					mA/ $^\circ C$
T_R Response time	Response time@90% of I_P ≤ 300					ms
f Frequency bandwidth	20-400					Hz
T_A Ambient operating temperature	-25~+70					$^\circ C$
T_S Ambient storage temperature	-25~+85					$^\circ C$
m Mass	92					g
Standard	Q/320115QHKJ01-2010					

Dimensions of drawing (mm)

Connection



Elucidation: OFS:Zero adjustment GIN:Gain adjustment

Remarks

Incorrect connection may lead to the damage of the Transducer.