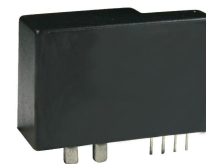


MCSM050LX Hall-effect Current Sensor Series

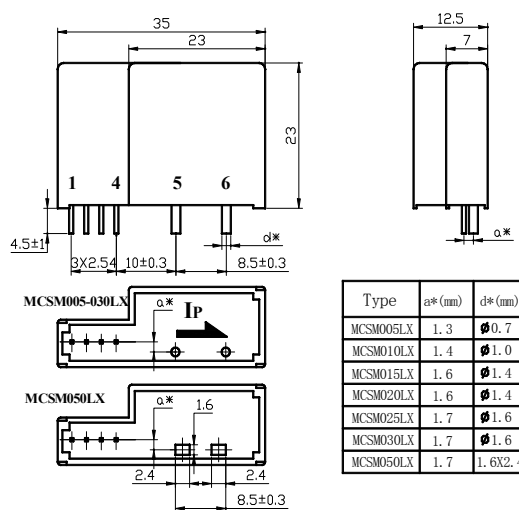
Closed loop current sensor based on the principle of Hall-effect. It can be used for measuring AC,DC,pulsed and mixed current.



Electrical characteristics

Type	MCSM005 LX	MCSM010 LX	MCSM015 LX	MCSM020 LX	MCSM025 LX	MCSM030 LX	MCSM050 LX		
I_{PN}	Primary nominal input current								A
I_P	Measuring range of primary current								A
V_{OUT}	Nominal output voltage								V
V_C	Supply voltage								V
I_C	Current consumption								mA
V_D	Insulation voltage								kV
R_{IS}	Insulation resistance								MΩ
ϵ_L	Linearity								%FS
V_O	Offset voltage								mV
V_{OM}	Residual voltage								mV
V_{OT}	Thermal drift of V_O								mV/°C
T_R	Response time								μs
f	Frequency bandwidth(-3dB)								kHz
T_A	Ambient operating temperature								°C
T_S	Ambient storage temperature								°C
R_L	Load resistance								KΩ
m	Mass								g
Standard	Q/320115QHKJ01-2013								

Dimensions of drawing (mm)



Elucidation: 1:+15V 2:-15V 3:V 4:0V 5:+I 6:-I

Remarks

- Incorrect connection may lead to the damage of the sensor.
- V_{OUT} is positive when the I_P flows in the direction of the arrow.