

FC-SCT6.0-1:100-30A.Current Sense Transformers

Height: 3.8mm Max

Footprint: 7.0mm x 6.8mm

Current Rating: up to 30A

Low Primary DCR version

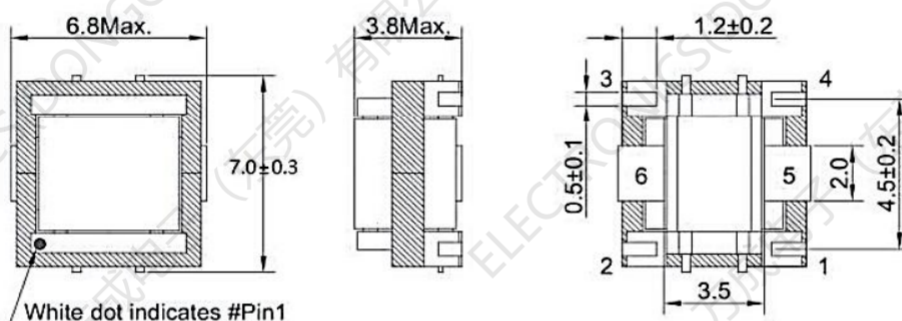
Ambient temperature -40°C to $+85^{\circ}\text{C}$

Storage temperature Component: -40°C to $+125^{\circ}\text{C}$

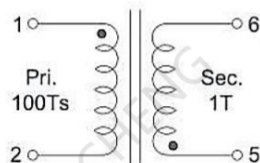
It is used as DC current transformer for various electronic device detection.



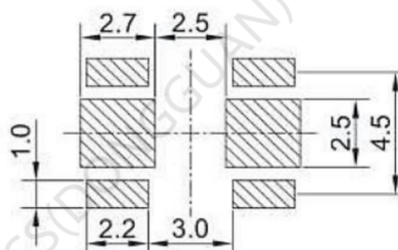
1. Dimensions:mm



2.Schematic:



3.LAYOUT RECOMMENDATION



4.Electrical Characteristics :

NO.	名称	测量端	测量值	测试条件	测试仪器
1	Inductance	L1-2	$\geq 800\mu\text{H}$	10kHz 0.3V 25°C	WK3260
2	DCR	R5-6	0.45mΩ MAX	25°C	CH502BC
3	Current	I=5-6	30A	10kHz 0.3V 25°C	WK3250+3260B
4	Turns Ratio	N1 : N2	100 : 1	100kHz 1V	WK3260
5	HI-POT	N1---N2	DC1500V	1mA/3sec.	CH19503

This specification applies to the SMD type current transformer **FC-SCT6.0-1:100-25A**.

It is used as DC current transformer for various electronic device detection.