



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

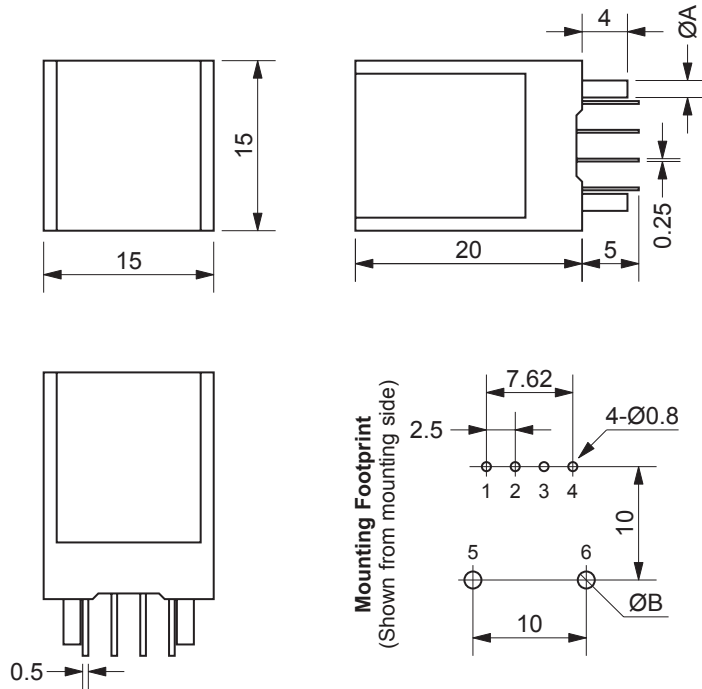
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Characteristics of SCD10PUR

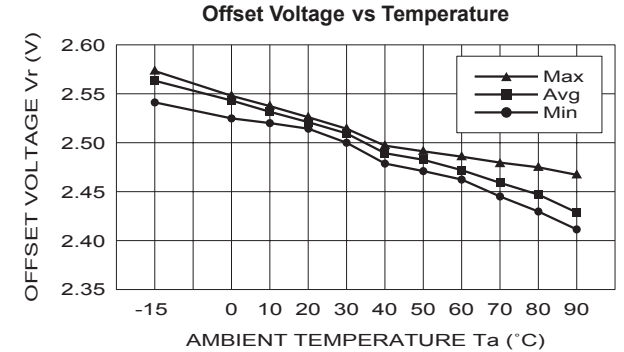
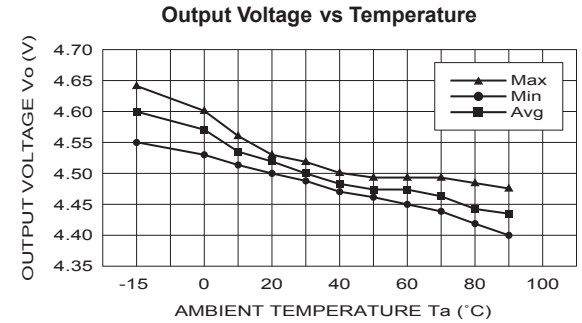
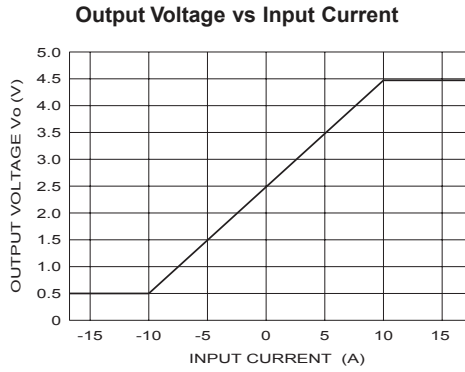


Pin Assignments

Pin#	1	+5V
	2	NC
	3	Output
	4	0V
	5	Input (+)
	6	Input (-)

Mounting Hole Dimensions

Model	ØA	ØB
SCD03PUR	0.6	1.1
SCD05PUR	0.9	1.4
SCD10PUR	1.1	1.6
SCD15PUR	1.4	1.9
SCD20PUR	1.7	2.2



SPECIFICATIONS

(Vcc = 5V, Rl = 10kΩ, Ta = 25°C)

Model	SCD03PUR	SCD05PUR	SCD10PUR	SCD15PUR	SCD20PUR
Rated Current	±3A	±5A	±10A	±15A	±20A
Linearity Range	±4A	±6A	±11A	±16A	±21A
Output Voltage	4.5V±30mV @ +If; 0.5V±30mV @ -If				
Zero Current Offset Voltage	2.5V±20mV max. (after demagnetization)				
Output Voltage Linearity	≤0.5% @ rated current				
Supply Voltage	5V ±5%				
Max Current Consumption	25mA max.				
Response	3µS typ. @ 50 Amp/Turns/µS				
Output V Temp Char	±0.1%/°C max. @ rated current				
Zero Current Offset V Temp Char	±1.5mV/°C max.				
Hysteresis	8mV max. @ rated current to 0A				
Primary Overcurrent	10X rated current, 50 mS, no damage				
Withstand Voltage	2000 VAC, 50/60Hz, 1 minute between primary coil & terminal*				
Insulation Resistance	500 VDC, 500MΩ between primary coil & terminal				
Operating Temp	-10° to +75° C				
Storage Temp	-30 to +90°C				

Ordering Information

SCD□□PUR

Current Rating:

- 03: 3A
- 05: 5A
- 10: 10A
- 15: 15A
- 20: 20A

- Input Voltage:
- A: ±15VDC
 - B: ±12VDC
 - S: +12VDC
 - T: ±5VDC
 - U: +5VDC

- Input Current Polarity:
- N: +(DC only)
 - R: ± (bipolar)



20050 SW 112th Ave.
Tualatin, OR 97062
Phone: 503-612-2300
800-275-4899
Fax: 503-612-2383
Website: www.cui.com

TITLE:	current sensor	REV:	A
PART NO.	SCDXXPUR	UNITS:	MM
DRAWN BY:	JRH	APPROVED BY:	
SCALE:			

REV.	DESCRIPTION	DATE
A	NEW DRAWING	05/15/2009