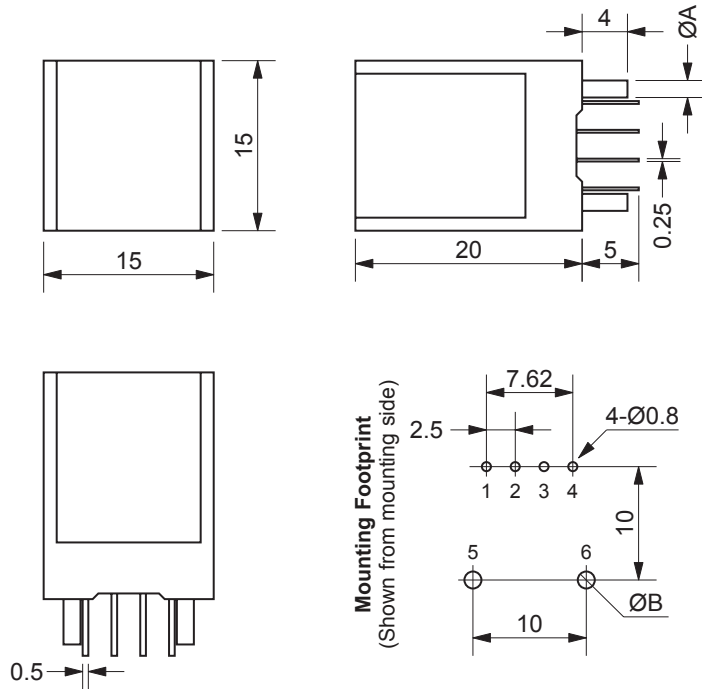


Characteristics of SCD10PUR



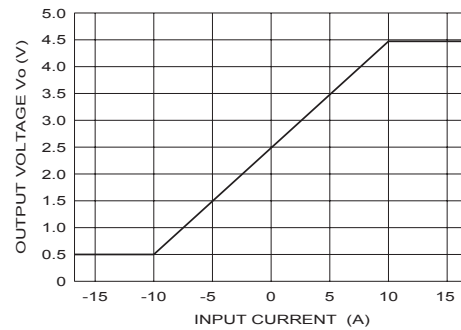
Pin Assignments

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

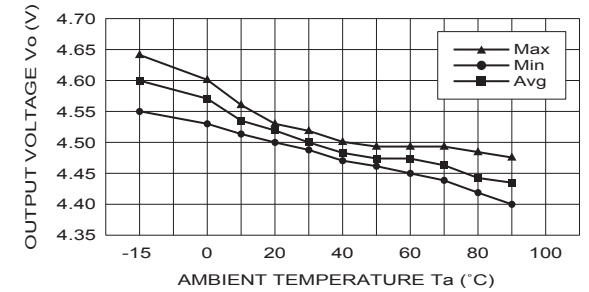
Mounting Hole Dimensions

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

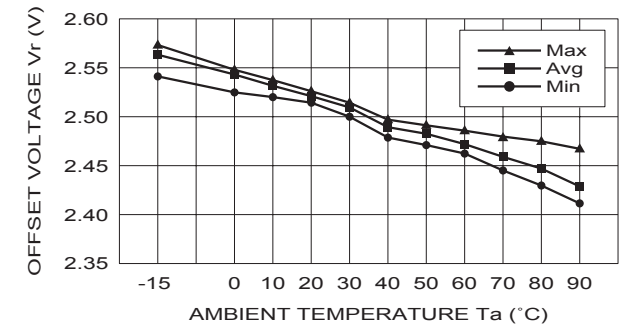
Output Voltage vs Input Current



Output Voltage vs Temperature



Offset Voltage vs Temperature



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)



**CUI INC**

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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