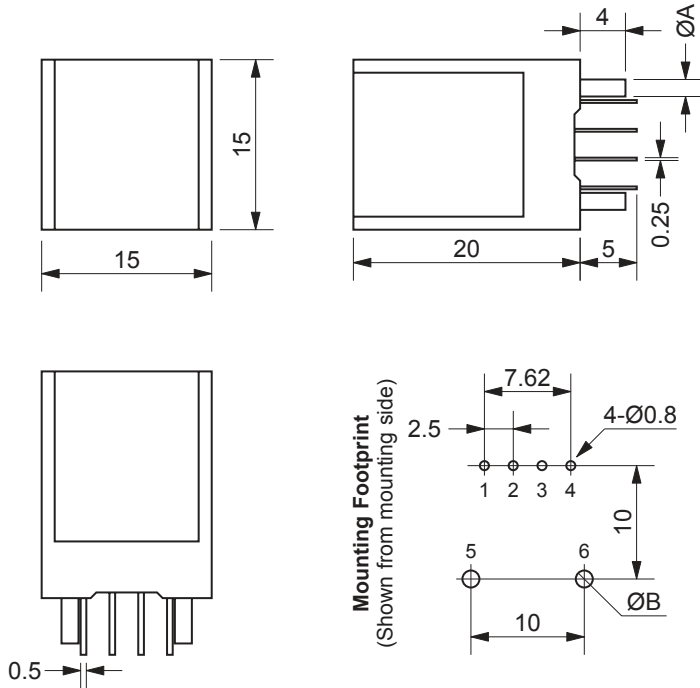


Characteristics of SCD10PUR

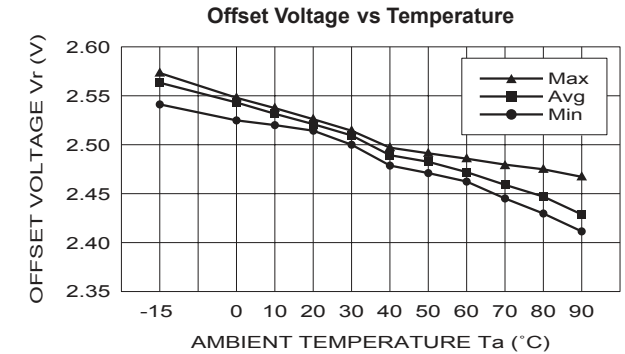
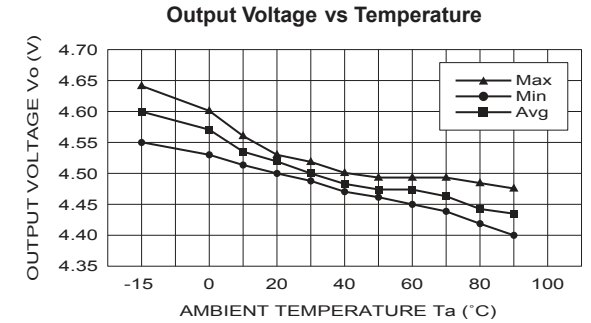
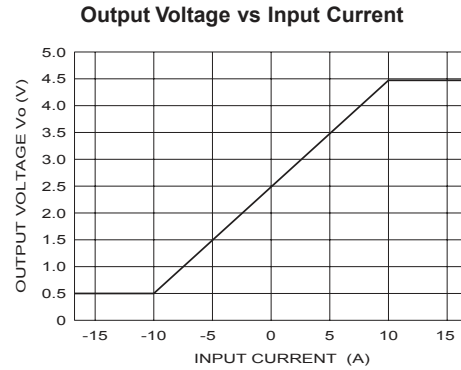


Pin Assignments

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