

**PCB MOUNT TYPE AC/DC CURRENT SENSOR****Models FDAZCT-20L-0.3 & FDAZCT-20L-0.6****FEATURES**

- For Detecting Low Range and Leakage AC/DC/Pulsed Current.
- Lowest Influence from Magnetization, Temperature Change, Residual Current and Terrestrial Magnetism.
- Low Cost and High Performance (Output Linearity  $\pm 1\%$  F.S.)

**SUPECIFICATIONS**

Model	FDAZCT-20L-0.3	FDAZCT-20L-0.6
Rated Primary Current	300mA	600mA
Measuring Range	$\pm 0\text{mA} \sim \pm 500\text{mA}$	$\pm 0\text{mA} \sim \pm 850\text{mA}$
Inside Diameter	20mm	
Output Characteristic (between Ref. and Out.)	1200mV/300mA	1200mV/600mA
Accuracy	$\pm 1.5\%$ F.S. (including DC current offset)	
Output Linearity	Less than $\pm 1\%$	
Residual Voltage at no loading	Less than $\pm 40\text{mV}$	
Influence of Terrestrial Magnetism	Less than $\pm 30\text{mV}$	
Power Supply Voltage	DC +5V $\pm 5\%$ (unipolar)	
Current Consumption	Approx. 15mA	
Output Response	50 $\mu$ sec. (90% of Rated Primary Current)	
Temperature Coefficient	$\pm 400\text{ppm/K}$	
Applicable Circuit Voltage	Less than AC/DC 600V (insulated coating wire)	
Withstanding Voltage	AC5400V/1 minute (between through hole and output)	
Ambient Operating Temperature	$-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (<85%RH, w/o condensation)	
Ambient Storage Temperature	$-50^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (<85%RH, w/o condensation)	
Material of Outer Case	PA (based on UL94V-0)	
Color of Outer Case	Black	
Dimension	45.0(W) x 44.7(H) x 20.7(D) mm, Inside Diameter $\phi 20\text{mm}$	
Weight	Approx. 30g	
Environmental Standard	Conforming RoHS Directive	
Terminal Pin Layout	+: Power Supply +5V, 0V: Power Supply 0V Ref.: Output GND, Out: Signal Output	