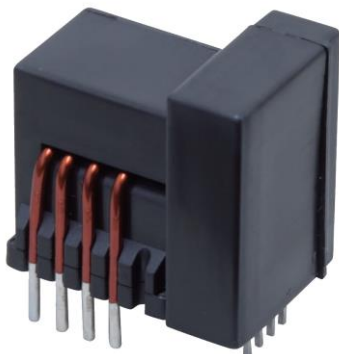


MULTI**MULTI MEASURING INSTRUMENTS CO., LTD.**

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TEL: +81-3-3251-7013 FAX: +81-3-3253-4278 E-mail: multi@multimic.comHome Page: <http://www.multimic.com/>**HIGH PRECISION AC/DC CURRENT SENSORS****Model FDUCT-1 Series (6A, 15A, 25A & 50A)****FEATURES**

- *DC/AC & Phase Current Measurement in complete isolated structure.
- *Unipolar %V Power Supply *PCB Mount Type
- *High-Speed Response (approx. 0.3 μ sec.)
- *Standard Voltage Function built-in.
- *Applicable Frequency DC – 300KHz.

APPLICATIONS

- *UPS & SMPS Power Supplies *Servo Motor Drive *Solar Inverters
- *Power Supplies for Welding Machines *DC Motor Drives

SPECIFICATIONS

Model	FDUCT-1-6	FDUCT-1-15	FDUCT-1-25	FDUCT-1-50
Rated Primary Current	$\pm 6A$	$\pm 15A$	$\pm 25A$	$\pm 50A$
Max. Applicable Current	$\pm 20A$	$\pm 51A$	$\pm 85A$	$\pm 150A$
Power Supply Voltage	DC5V $\pm 5\%$			
Output Voltage	625mV at Rated Primary Current (between Ref. & Out)			
Output Accuracy	$\pm 1.5\%$ (including DC current offset)			
Output Linearity	Less than $\pm 0.2\%$			
Influence of Terrestrial Magnetism	Less than $\pm 5mV$			
Influence of Magnetization	Less than $\pm 2mV$			
Consumption Current	25mA	30mA	35mA	55mA
Response Time	Approx. 0.3 μ sec. (90% of Rated Primary Current)			
Temperature Coefficient	Less than $\pm 60ppm/^{\circ}C$			
Withstanding Voltage	AC4KV/1 minute (between through hole and output)			
Ambient Operating Temp.	-40 $^{\circ}C$ ~ 105 $^{\circ}C$ (less than 85%RH, w/o condensation)			
Ambient Storage Temp.	-50 $^{\circ}C$ ~ 105 $^{\circ}C$ (less than 85%RH, w/o condensation)			
Material of Outer Case	PA (based on UL94V-0)			
Color of Outer Case	Black			
Dimension	16.2(W)x21.7(H)x23.0(D) mm			
Weight	Approx. 10g			
Environmental Standard	Conforming RoHS Directive			
Terminal Pin Layout	+ : Power Supply +5V, 0V: Power Supply 0V, Out: Signal Output, Ref.: Output GND			