

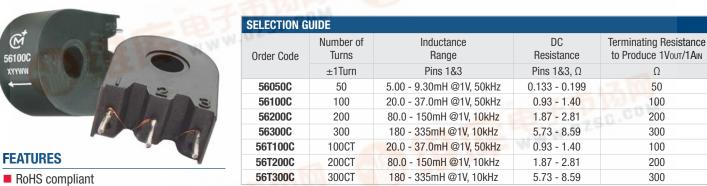
50, 100, 200 & 300 Turn variants

20kHz-200kHz frequency rangeCentre tapped variants available

Primary current rating 10A

5600 Series

10A Current Sensing Transformers



ABSOLUTE MAXIMUM RATINGS	
Operating free air temperature range	-40°C to 85°C
Storage temperature range	-40°C to 125°C

SOLDERING INFORMATION ¹	17 FC()
Peak wave solder temperature	300°C for 10 seconds
Pin finish	CTin

DESCRIPTION

The 5600 series of current sense transformers are designed to monitor AC currents. They can be used for high frequency current sensing, for example in switched-mode power supplies, motor control and electronic lighting ballasts.

TECHNICAL NOTES

ISOLATION VOLTAGE

All 5600 current sense transformers are tested at 500Vdc for a minimum of 1 second during our standard test procedure.

In addition, as part of our qualification process carried out prior to product launch, the 5600 series demonstrated no isolation breakdown at 10kVdc or 6kVac with a bare conductor as the primary winding. Whilst this does not imply these parts are designed for environments where such high voltages may be present, it does demonstrate the level of isolation voltage these products are able to withstand. Full mains safety isolation can be achieved with appropriately insulated wire on the primary winding.

Specifications typical at $T_A = 25$ °C

1 For further information, please visit www.murata-ps.com/rohs









10A Current Sensing Transformers

PACKAGE SPECIFICATIONS MECHANICAL DIMENSIONS RECOMMENDED FOOTPRINT DETAILS Schematic 16.79 (0.661) 12.70 (0.500) 8.89 (0.350) 6.35 (0.250) Ø5.00 (0.197) x3 HOLES Ø0.065 (1.65) Ø0.059 (1.50) $| \oplus | \emptyset$ 0.10 (0.004) 1.02 (0.040) Unless otherwise stated, all dimensions in mm (inches) \pm 0.25 (0.010) TUBE OUTLINE DIMENSIONS 0.60±0.15 (0.024±0.006) 5.08 (0.200) 6.35 (0.250) 22.20 (0.874) 4.06 (0.160) 30.00 (1.181) Ø0.79±0.05 (0.031 ± 0.002) 12.70 (0.500) 2.10±0.25 (0.083±0.010) 7.00 (0.276) Package weight: 5.7Tvp Tube length: 475±2 [18.701±0.079] *Pin 2 is fitted on 56TXXXC variants only. Unless otherwise stated, all dimensions in mm (inches) \pm 0.25 (0.010). Arrow designates winding direction referenced to inner core surface. Tube quantity: 25 Unless otherwise stated, all dimensions in mm (inches) \pm 0.25 (0.010).

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