

DENKI SEIGYO

Technical Datasheet – 500 VA Transformer

SECTION	SPECIFICATION
Type	Single Phase, Double Wound, Dry Type (Air Cooled) Transformer
Rated Capacity	500 VA
Frequency	50 Hz $\pm 3\%$
Phase	Single Phase
Duty	Continuous (S1)
Primary Voltage	230 V AC $\pm 10\%$
Secondary Voltage	110 V AC
Efficiency	$\geq 95\%$ at full load
Voltage Regulation	$\leq \pm 5\%$ from no-load to full-load
Core Material	CRGO Silicon Steel Lamination, Low Loss
Winding Material	Super Enameled Copper, Class 'B' Insulation
Cooling	Air Natural (AN)
Insulation Resistance	$\geq 100 \text{ M}\Omega$ at 500V DC
Dielectric Strength	2.5 kV RMS for 1 min between windings and earth
Temperature Rise	$\leq 75^\circ\text{C}$ over ambient (45°C)
Enclosure	MS Powder Coated Box, IP23
Mounting	Panel / Floor Mounting
Applicable Standards	IS:2026 / IS:11171 / IEC 60076
Routine Tests	Ratio Test, Polarity Test, No-load & Load Loss, IR Test, HV Test
Warranty	12 months from commissioning or 18 months from supply, whichever earlier

Manufacturer: Denki Seigyo

Note: Specifications are subject to change without prior notice.