

# Certificate of Compliance

**Certificate:** 1300140

**Master Contract:** 215018

**Edition:** 1

**Date Issued:** July 11, 2002

**Issued to:** **Shilchar Electronics Limited**  
**BIL Road, BIL,**  
**District – Vadodara**  
**INDIA**

*The products listed below are eligible to bear the CSA Mark shown  
with adjacent indicators 'C', 'US' and ▲*



*Brij P. Aggarwal*

**Issued by:** Brij P. Aggarwal, P. Eng.

*Terry Nagy*

**Authorized by:** Terry Nagy  
Operations Manager

## PRODUCTS

CLASS 5441 31 - Linear Power Transformer

CLASS 5441 91 - Linear Power Transformer - Certified to US Standards

Component type power transformer for use in Audio/Video and electronic equipment where the suitability of the combination is to be determined by CSA International. Across mains short circuit test may be required in the final product.

Toroidal Transformer, Series TR-XXX- NNNN from 1 VA to 1000VA, component type, Input rated 110V or 230V, 50/60 Hz, with single/multiple primary and secondary.

### Notes:

1. XXX in the series designates the design serial no. of the model and NNNN are the numeric characters denoting the VA rating from 0001 to 1000.
2. The transformer in the series may be provided with more than one primary or secondary windings.

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.

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**APPLICABLE REQUIREMENTS**

- CAN/CSA E60065-94 - Safety Requirements for Mains Operated Electronic and Related Apparatus for Household and Similar General Use
- IEC 60065 - Safety Requirements for Mains Operated Electronic and Related Apparatus for Household and Similar General Use
- UL Std No. 1411 (Fifth Edition) - Transformers and Motor Transformers for Use in Audio, Radio and Television Type Appliances  
(Construction only)
- TIL CA-06 - Component Acceptance Requirements to Power-Line or Telecom Network Connected Transformers - For Use in Electrical and Electronic Equipment