


[CONTACT US](#)

Transformer Products

[Standard Designs](#)
[Custom Designs](#)
[Medical Isoboxes](#)
[Medical Isolation Transformers](#)
[General Isolation Transformers](#)
[Balanced Transformers](#)
[Industrial Control Transformers](#)
[Power Supply Transformers](#)
[Auto Transformers](#)
[Dimmable Lamp Transformers](#)
[Tube Amplifier Transformers](#)
[Current Transformers \(CTs\)](#)
[Transformer Kits](#)
[Mounting & Hardware](#)

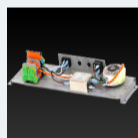
Custom Transformers

Let us design a transformer to fit your needs.


[Specify Now](#)

Panels & Harnesses

Value-Added Capabilities to better serve you.


[Learn More](#)

Standard Transformers

Shop our Standard Design Toroidal Transformers.


[Shop Now](#)

1

Choose your Transformer

2

Choose your

Mounting/Hardware

3

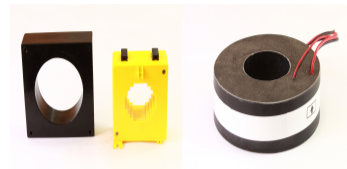
Check Out

Current Transformers (CTs)

[Features](#)
[Data & Pricing](#)
[Other Specifications](#)

Custom Designs

There are 2 main applications for Current Transformers (CTs); measuring power/current and for control or protective purposes.



Toroid Corporation specializes in custom designed Current Transformers for both of these applications with an emphasis on the control and protective uses.



Traditionally, current transformers have been designed with a standard secondary current of 5 Amps which is used with conventional analog instruments and meters. Many control designs still utilize this standard concept which in many cases necessitates a mechanically larger unit than needed when hooked up to an op-amp or similar electronic circuits.

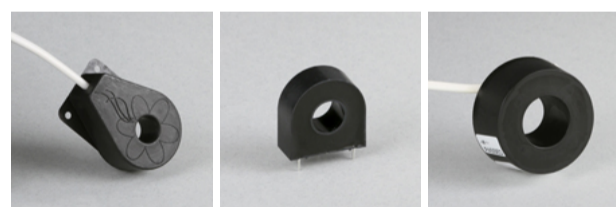
Toroid Corporation designs and manufactures current transformers of various types measuring currents from microamps up to thousands of amperes, and an internal diameter (window) that can range from 5 mm to 250 mm or larger. We design according to the specific needs of each customer with regard to the dimensions and electrical characteristics. Toroid Corporation offers different types encapsulation such as mylar, epoxy resin, lace & varnish or plastic enclosure with isolation up to 7.5 kV.

Please contact us and give us your requirements and we will work with you to get the minimum sized design and most cost-effective solution.

Electrical Parameters

The current transformer (or CT) detects or measures the electrical current flowing in a cable or power strip, converting it into a smaller current to be used in a measuring instrument or electronic circuit. The use of a CT is advantageous compared to designing instruments and electronic circuits to operate at high currents which is impractical and costly.

The CT used in electrical circuits measures the current under normal conditions, spikes and power outages, providing greater control over the system. CT's also have another big advantage which is the insulation between the meter and the circuit being measured.



Standard Designs

Toroid Corporation offers two low cost standard design current transformers. Both are used in applications where you want to detect or measure AC-currents with no need for tight tolerances. Typical applications include power limiting controllers for air conditioning equipment, electrical heating systems, electrical furnaces, and motor drives.

The Current Transformers are designed using a core of tape wound, grain-oriented, silicon steel.

- The -S versions are encased in a sturdy plastic housing and have mounting ears and 15" leads.
- The -PC versions are potted into plastic housings and are PC mountable.
- The TR 12525 versions are potted into sturdy plastic housings and come with 15" leads.

Options

The listed designs are also available without encapsulation and multi-stranded leads. Please call our Customer Service Department for prices and availability. Other secondary turns and sizes are available upon request.

1

Choose your Transformer

2

Choose your Mounting/Hardware

3

Check Out

Current Transformers (CTs)

Features

Data & Pricing

Other Specifications

Data

15" Leads	PC Mount	Turns	Current range	Max Sec Voltage
TR 3025-S	TR-3025-PC	1:300	0-90 A	4.5 V
TR 5025-S	TR-5025-PC	1:500	0-90 A	8.0 V
TR 10025-S	TR-10025-PC	1:1000	0-90 A	16 V
TR 20025-S	TR-20025-PC	1:2000	0-90 A	32 V
TR 30025-S	TR-30025-PC	1:3000	0-90 A	48 V
TR 12525	N/A	1:1250	0-375 A	45 V

Please [contact](#) the company directly to purchase Part Numbers without a "Buy" icon next to it.

Need custom specifications for your transformer? [Click here](#).

Prices

Part No.	1-9 Pieces	10-24 Pieces	25-99 Pieces
TR 3025-S	\$18.80	\$16.05	\$14.66
TR 10025-S	\$20.68	\$17.67	\$16.13
TR 12525	\$28.23	\$20.06	\$18.34
TR 3025-PC	\$18.80	\$16.05	\$14.66

For larger quantity prices, please [contact](#) our factory sales department

Current Transformers (CTs)

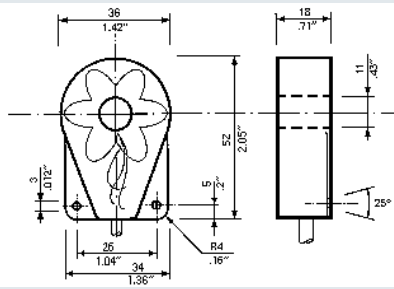
Features

Data & Pricing

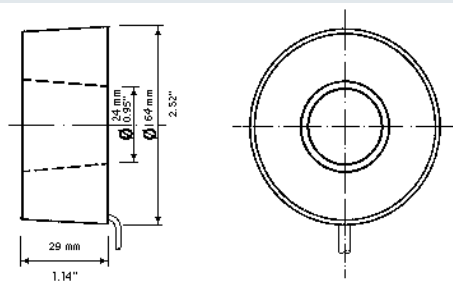
Other Specifications

Mechanical Dimensions:

P/N TR 3025-S



P/N TR 12525



Terms and Conditions

- For larger quantity prices, please [contact the factory directly](#).
- Prices and data subject to change without prior notice
- Delivery: Small quantities of standards are normally available from stock
- 30-Day Return Policy of Undamaged Items - 15% Restocking Fee on Standard Transformers
- 36 Month Product Warranty
- [Terms and Conditions](#)