

100/200/400A REVENUE GRADE TOROIDAL SOLID CORE CURRENT TRANSFORMERS



DENT's Revenue Grade toroidal current transformers are designed for applications where an AC current signal must be transformed into a millivolt signal appropriate for micro-processor based circuits.

This series of CTs is designed specifically for integration into products which require exceptionally accurate signal transformation with low phase shift while exposed to harsh environmental operating conditions.



KEY SPECIFICATIONS	
Window Size	RGT-19: 0.75" (19mm) RGT-25: 1.0" (25mm) RGT-32: 1.25" (32mm)
Current Range*	RGT-19-100 Model: 1 - 120A AC RGT-25-200 Model: 2 - 240A AC RGT-32-400 Model: 4 - 480A AC
Output	333.3 mV at rated current
Ratio Error	+/-0.2% at rated current (typical)
Phase Error	<0.2° At rated current (typical)
Accuracy Class¹	IEC 61869-2 Class 0.2 IEEE C57.13 Class 0.3

* Depending on meter compatibility. See ELITEpro™ and PowerScout™ specifications for details.



ELECTRICAL

Output	333.3 mV at rated current
Wire Polarity	White = Hi, positive (+) Black = Low, negative (-)
Frequency Range	50 / 60 Hz

MECHANICAL

Case Material	White Nylon, UL 94v0
Leads [if equipped]	3 M (9.8'), twisted pair, 24 AWG
Operating Temperature	-40°C to 55°C (-40°F to 131°F)

SAFETY

Working Voltage	600 VAC, Category III
Certification	  UL 2808 EN 61869-1 EN 61869-2 EN 61000-6-1 CAN/CSA STD C22.2 No. 61010-1-12

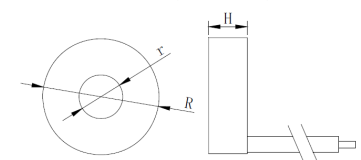
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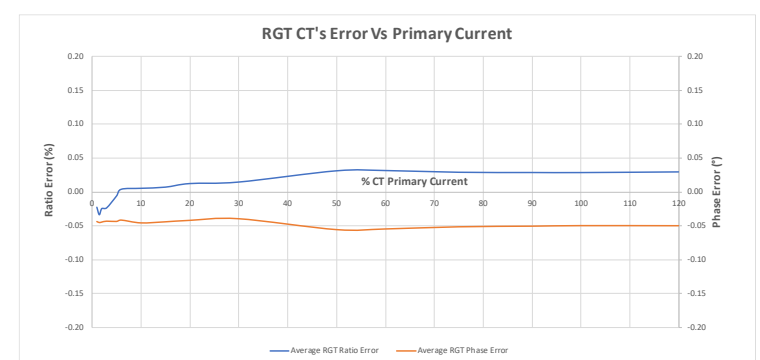
Outline Drawing

Dimension (Unit:mm)



Part No.	Outline Size		Window Size
	R	H	r
RGT-19	53.3	19.1	19.1
RGT-25	61.0	20.3	25.4
RGT-32	68.6	20.3	31.8

Accuracy Graph



PART NUMBERS²

CT-RGT-19-0100-U	100A Revenue Grade Solid Core
CT-RGT-25-0200-U	200A Revenue Grade Solid Core
CT-RGT-32-0400-U	400A Revenue Grade Solid Core

¹ When CT phase shift is set as follows: 100A = 0.06°, 200A = 0.04°, 400A = 0.06°
² U = Unterminated (with ferrules)