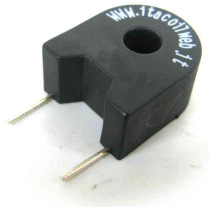
- High precision 50/60Hz measuring current transformers
- Encapsulated in UL94/V-0 case and epoxy resin
- High insulation between primary/secondary
- Custom versions on request

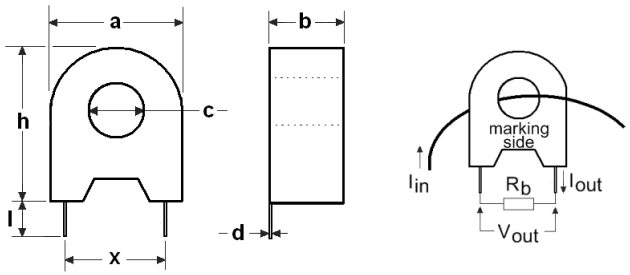


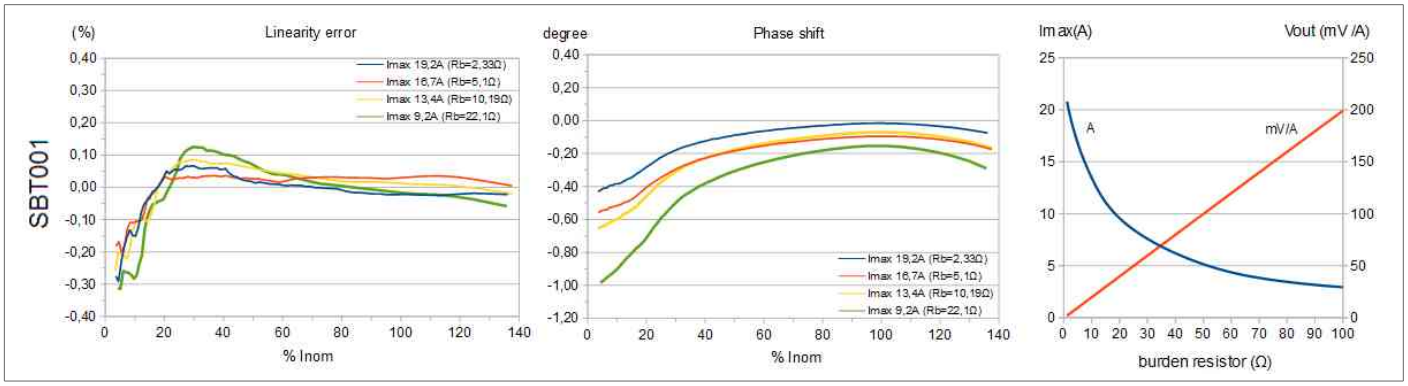
19.2A

Code	Best Accuracy				Highest Currents				Sec Turns	Pri/Sec
	Max Input Current[1]	Nom Input Current[1]	Accuracy Class[2]	Burden resistor[3]	Max Input Current[1]	Nom Input Current[1]	Accuracy Class[2]	Burden resistor[3]		Dielectric strength[4]
SBT001	16,7A	13,9A	0,2-0,5[5]	5 Ω	19,2A	16A	0,2-0,5[(5)]	2,2 Ω	500	4KV

Dimensions	mm
a max	17,3
b max	9,8
h max	19,7
c typ (Ø)	5,0
x typ	12,5
l min	4,0
d typ (Ø)	0,8

Drawing



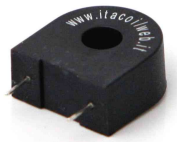


Click here (or QR code) to download the excel tool for the calculation of max current and output signal level in function of the burden resistor value.

[1] *Accuracy range 5...120% of "Nom Input Current". Currents up to "Max Input Current" x 1,2 can be applied continuously.*
Low current range measurement: it is suggested to increase primary turns number. It reduce proportionally Max/Nom input current and preserve the accuracy typical curves.
[2] *Accuracy class at 50/60Hz (@20°C) as defined on CEI EN 60044-1/tab.11 (not the whole standard is applied since these items are designed as component of electronic equipment). Same accuracy class up to 50°C with 10% current de-rating.*
[3] *Burden resistor values different than suggested values can be applied. It will affect Max/Nom current, output voltage and precision. See following typical graphs for reference.*
[4] *Between sec pins/primary hole internal surface.*
[5] *Considering the the current amplitude only this product comply the 0,2 accuracy class. Where the phase shift too is considered the transformer comply the 0,5 class.*
[nb] *The necessary tests and verifications of compliance with the technical and safety standard requirements have to be verified by the customer.*

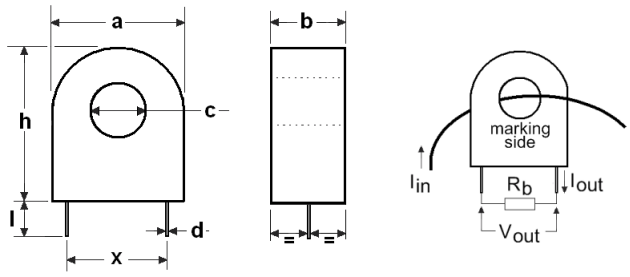
SBT series - 50/60Hz current sense - 62A...83A

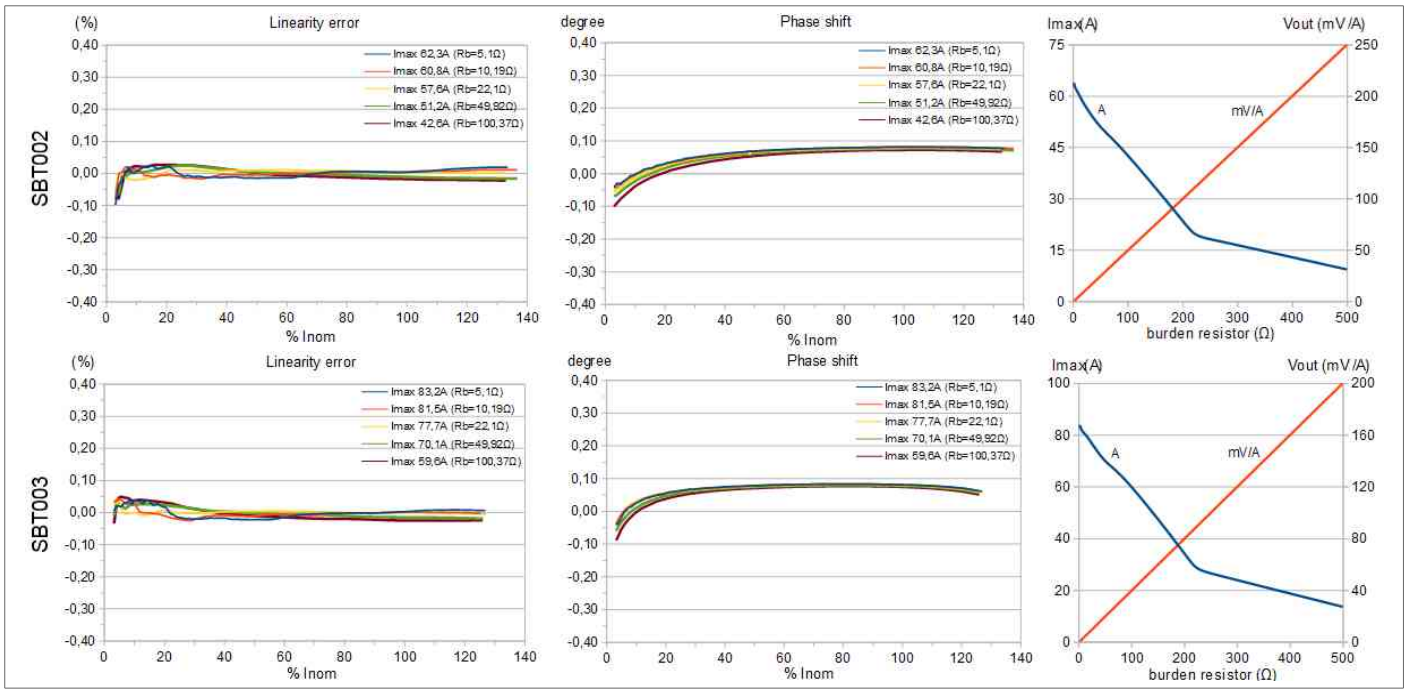
- Very high precision 50/60Hz measuring current transformers
- High output signal level to reduce noise-signal ratio
- High repeatability, actual curves close to typical
- Same accuracy class up to 50°C ambient temperature
- Encapsulated in UL94/V-0 case and epoxy resin
- High insulation between primary/secondary
- Custom versions on request



62A...83A

Code	Best Accuracy				Highest Currents				Sec Turns	Pri/Sec
	Max Input Current[1]	Nom Input Current[1]	Accuracy Class[2]	Burden resistor[3]	Max Input Current[1]	Nom Input Current[1]	Accuracy Class[2]	Burden resistor[3]		Dielectric strength [4]
SBT002	51A	42,5A	0,1-0,2[5]	50 Ω	62A	51,6A	0,2	5 Ω	2000	4KV
SBT003	70A	58,3A	0,1-0,2[5]	50 Ω	83A	69,1A	0,2	5 Ω	2500	4KV

Dimensions	mm	Drawing
a max	24,6	
b max	11,9	
h max	25,6	
c typ (Ø)	8,0	
x typ	15,3	
l min	8,0	
d typ (Ø)	0,8	



Clik here to download the excel tool for the calculation of max current and output signal level in function of the burden resistor value.

[1] *Accuracy range 5...120% of "Nom Input Current". Currents up to "Max Input Current" x 1,2 can be applied continuously.*
Low current range measurement: it is suggested to increase primary turns number. It reduce proportionally Max/Nom input current and preserve the accuracy typical curves.
[2] *Accuracy class at 50/60Hz (@20°C) as defined on CEI EN 60044-1/tab.11 (not the whole standard is applied since these items are designed as component of electronic equipment). The same accuracy class up to 50°C can be achieved with 10% current de-rating.*
[3] *Burden resistor values different than suggested values can be applied. It will affect Max/Nom current, output voltage and precision. See following typical graphs for reference.*
[4] *Between sec pins/primary hole internal surface.*
[5] *Considering the the current amplitude only this product comply the 0,1 accuracy class. Where the phase shift too is considered the transformer comply the 0,2 class.*
[nb] *The necessary tests and verifications of compliance with the technical and safety standard requirements have to be verified by the customer.*