

I02 Series

THT High Current Power Inductors



- Height: 9.2 mm (Max)
- Footprint: 16.0 mm (Max) x 13.2 mm (Max)
- High Saturation Current to 60A
- DCR as Low as 0.6 mΩ
- High Energy Storage in Compact Package
- Lower DCR than Similar Toroid Design

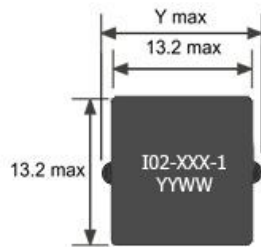
APPLICATIONS

- Desktop CPUs
- Servers
- VRMs
- DC/DC Converters

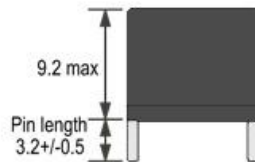
PACKAGING

- Pieces/Tray: 130
- Trays/Box: 16
- Pieces/Box: 2080

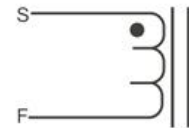
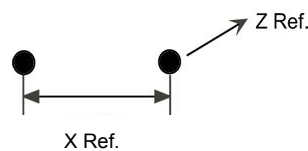
Mechanical Drawing Footprint Schematic



Top View



Side View



All dimensions are in mm

Electrical Specifications @ 25°C - Operating Temperature Range¹: -40°C to +125°C

Part Number	Inductance, L_S^2 (μH , +/- 10%)	DCR ($m\Omega$, Max)	I_{SAT}^3 (A_{DC})	I_{DC}^4 (A_{DC})	Dimensions (X, Y, Z)(mm)
I02-221-1	0.22	0.60	60	45	12.5, 16.0, 1.8
I02-351-1	0.35	0.60	55	45	12.5, 16.0, 1.8
I02-451-1	0.45	1.45	50	29	12.7, 15.7, 1.3
I02-601-1	0.60	1.45	45	29	12.7, 15.7, 1.3
I02-801-1	0.80	2.40	44	23	10.0, 13.0, 1.0
I02-102-1	1.00	2.40	35	23	10.0, 13.0, 1.0
I02-132-1	1.30	3.00	34	19	11.0, 14.0, 1.0
I02-152-1	1.50	3.00	25	19	11.0, 14.0, 1.0
I02-182-1	1.80	3.00	20	19	11.0, 14.0, 1.0

- Operating Temp. Range:** The combination of ambient temperature and temperature rise.
- Inductance:** Tested at 100kHz, 0.1 V_{RMS} , 0 A_{DC} Bias
- I_{SAT} :** DC Current through the winding to cause a 15% (typ) drop in inductance.

- I_{DC} :** DC Current through the winding to cause 40°C temperature rise at 25°C ambient.
- Flammability Standard:** Meets UL 94V-0.



Specifications subject to change without prior notice.

TEL.: 800-729-2099

www.icecomponents.com

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