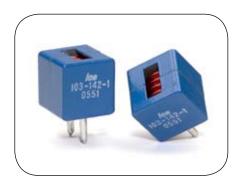
IO3 Series High Current Power Inductor





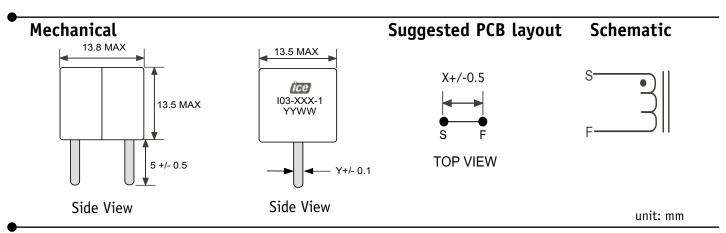
Features

- High Saturation Current to 50A
- \bullet DCR as low as $0.98m\Omega$
- High Energy Storage in a Compact Package
- Lower DCR than similar Toroid Design

Applications

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

Packaging Tray =108 pieces, Box = 12 trays, Box = 1296 pieces



Electrical Specifications

Part Number	Inductance¹ (μH,+/-10%)	DCR (m Ω)		Isat⁵	Idc^6	Dimensions (mm)	
		Тур.	Max.	(A)	(A)	X	Y
I03-142-1	1.4	0.98	1.03	50	35	6.60	1.65
I03-302-1	3.0	2.60	2.73	30	21	9.45	1.30
I03-562-1	5.6	7.00	7.66	14	9	7.11	0.91

- 1. Tested at 100 kHz, 0.1Vrms, 0 A_{4c} bias.
- 2. Electrical specifications at 25°C.
- Operating range: -40°C to +155°C. This is a combination of ambient plus temperature rise.
- 4. Meets Class F (155°C) insulation system requirements.
- 5. I_{sat} is the DC current required to reduce the nominal inductance by 30%.
- 6. I_{dc} is the DC current required to produce a temperature rise of 50°C.
- 7. Meets UL 94V-0.

