

# SMD Power Inductors – Unshielded Drum Core – I0770 Series



**INTER OUTSTANDING ELECTRONICS**

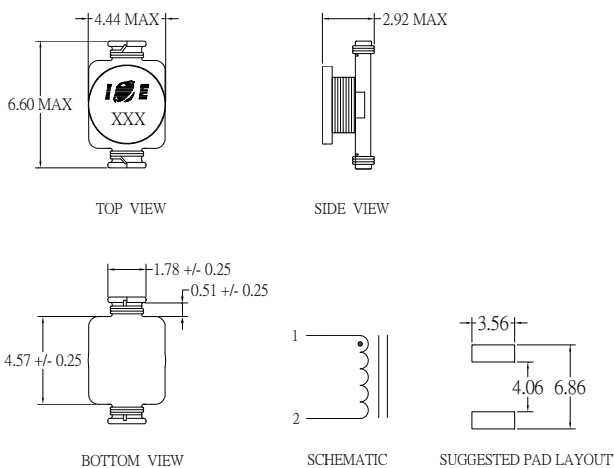


- Inductance Range: 1.0 to 220  $\mu$ H
- Size: 6.6mm x 4.5mm Max.
- Rating Current: up to 2.9A
- Operating temperature: -25°C to +125°C
- RoHS compliant
- Can be customized under customer's request

## Models:

Part Number	Inductance @ $I_{pk}$ $A_{DC}$ ( $\mu$ H $\pm$ 20%)	Irated (A)	DCR(MAX) (m $\Omega$ )	Saturation Current (A) @ 25°C	Heating Current (A)
I0770.102	1.0	2.90	50	2.90	2.90
I0770.152	1.5	2.60	50	2.60	2.80
I0770.222	2.2	2.30	70	2.30	2.40
I0770.332	3.3	2.00	80	2.00	2.00
I0770.472	4.7	1.50	90	1.50	1.50
I0770.682	6.8	1.20	130	1.20	1.40
I0770.103	10	1.10	160	1.10	1.10
I0770.153	15	0.90	230	0.90	1.20
I0770.223	22	0.70	370	0.70	0.80
I0770.333	33	0.58	510	0.58	0.60
I0770.473	47	0.50	640	0.50	0.50
I0770.683	68	0.40	860	0.40	0.40
I0770.104	100	0.30	1270	0.31	0.30
I0770.154	150	0.25	2000	0.27	0.2
I0770.224	220	0.20	3110	0.22	0.20

## Mechanical Details:



### Remark:

- Inductance Tested at 100kHz, 0.01V
- Inductance drop = 10% typ. at the Sat. Current.
- $\Delta T = 15^\circ C$  rise typical at the Heating Current
- The rated current is the lower of the Saturation or heating current.

These data are for models selection. For detail specifications and customized requirement, please contact IOE