



SMD TYPE

Power Inductor

MPL73 TYPE

FEATURES

- Big current (32A)
- Footprint compatible with most standard
- Lower temperature rise at big current
- Low DCR (1.7mΩ)
- Without noise

APPLICATIONS

- Notebook computers
- DC/DC converters
- Battery power equipment
- Servers



AT 25°C: 100KHz, 0.25V

PART NO.	Lo (uH) ±20%	DCR (mΩ) Typ	DCR (mΩ) MAX	Isat (Amperes)	Irms (Amperes)
MPL73-0R1	0.10	1.5	1.7	60	32
MPL73-R15	0.15	1.9	2.5	52	26
MPL73-0R2	0.20	2.4	3.0	41	24
MPL73-R22	0.22	2.5	2.8	40	23
MPL73-R33	0.33	3.5	3.9	30	20
MPL73-R47	0.47	4	4.2	26	17.5
MPL73-R68	0.68	5	5.5	25	15.5
MPL73-R82	0.82	6.8	8	24	13
MPL73-1R0	1.00	9	10	22	11
MPL73-1R5	1.5	14	15	18	9
MPL73-2R2	2.2	18	20	14	8
MPL73-3R3	3.3	28	30	13.5	6
MPL73-4R7	4.7	37	40	10	5.5
MPL73-6R8	6.8	54	60	8	4.5
MPL73-8R2	8.2	64	68	7.5	4
MPL73-100	10	102	105	7	3

Notes 1. Lo is the value of initial inductance.

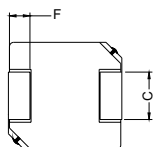
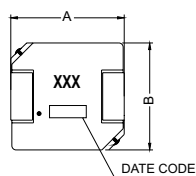
2. Isat shows the DC current that will cause Lo to drop approximately 20%.

3. Irms shows the DC current that will cause an approximately ΔT of 40°C.

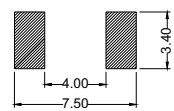
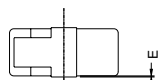
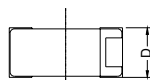
4. Operating Temperature Range: -55°C ~ +125°C.

5. RoHS Compliance.

MECHANICAL CONSTRUCTION



BOTTOM VIEW



SUGGESTED PAD LAYOUT

UNIT: mm / inch

A = 7.20 ± 0.30 / 0.283 ± 0.012

B = 7.0 / 0.276 MAX

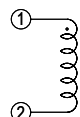
C = 2.40 ± 0.30 / 0.094 ± 0.012

D = 3.00 / 0.118 MAX

E = 0.01 / 0.0004 MIN

F = 1.27 ± 0.30 / 0.050 ± 0.012

SCHEMATICS



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<http://www.deltaww.com/products/networking/power.htm>