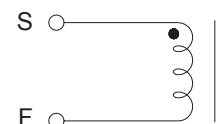




SHIELDED POWER INDUCTORS TLCD73-XXX Series

Features:

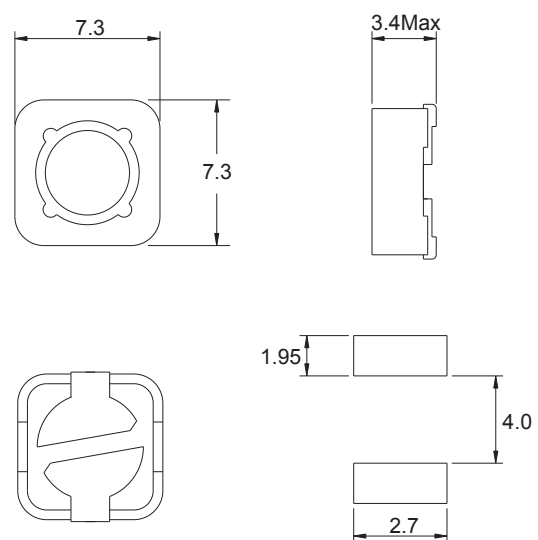
- Shielded surface mount inductor
- High current rating in compact package
- Low profile
- Low resistance lower loss
- Tape & reel package available



Schematic

Electrical Specifications@25°C

P/N	Inductance ¹ ($\mu\text{H} \pm 20\%$)	DCR (Ω)Max	IDC ² (A)Max
TLCD73-100	10	0.080	1.68
TLCD73-120	12	0.098	1.52
TLCD73-150	15	0.13	1.33
TLCD73-180	18	0.14	1.20
TLCD73-220	22	0.19	1.07
TLCD73-270	27	0.21	0.96
TLCD73-330	33	0.24	0.91
TLCD73-390	39	0.32	0.77
TLCD73-470	47	0.36	0.76
TLCD73-560	56	0.47	0.68
TLCD73-680	68	0.52	0.61
TLCD73-820	82	0.69	0.57
TLCD73-101	100	0.84	0.50
TLCD73-121	120	0.89	0.49
TLCD73-151	150	1.27	0.43
TLCD73-181	180	1.45	0.39
TLCD73-221	220	1.50	0.35
TLCD73-271	270	2.31	0.32
TLCD73-331	330	2.62	0.28
TLCD73-391	390	2.94	0.26
TLCD73-471	470	4.18	0.24
TLCD73-561	560	4.67	0.22
TLCD73-681	680	6.10	0.18
TLCD73-821	820	6.54	0.18
TLCD73-102	1000	10.57	0.16



Suggested Pad Layout

Mechanical

Marking: XXX - Inductance in μH

100: 10 μH

151: 150 μH

102: 1000 μH

Notes:

1. Inductance: Measurement at 100 kHz, 0.1Vrms
2. The Inductance drop 40% typ. at the IDC
3. For 10% tolerance, add letter "K" at the end of the P/N

Tol = $\pm$ (0.25)