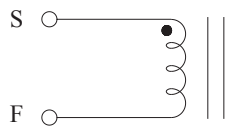
SMD POWER INDUCTORS TLCDS74-XXX Series

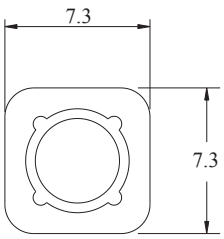
Features:

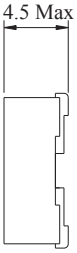
- Shielded surface mount inductor
- High current rating in compact package
- Low resistance
- Tape & reel package available

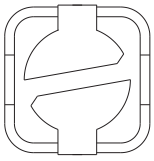
Schematic

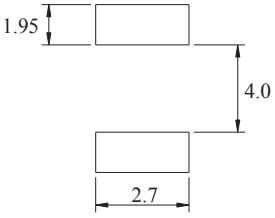


Mechanical Dimensions are in (mm)









Suggested Pad Layout

Electrical Specifications@25 °C

P/N	Inductance[1] (µH±20%)	DCR (Ω Max)	IDC (A)Max
TLCDS74-100	10	0.080	1.68
TLCDS74-120	12	0.098	1.52
TLCDS74-150	15	0.13	1.33
TLCDS74-180	18	0.14	1.20
TLCDS74-220	22	0.19	1.07
TLCDS74-270	27	0.21	0.96
TLCDS74-330	33	0.24	0.91
TLCDS74-390	39	0.32	0.77
TLCDS74-470	47	0.36	0.76
TLCDS74-560	56	0.47	0.68
TLCDS74-680	68	0.52	0.61
TLCDS74-820	82	0.69	0.57
TLCDS74-101	100	0.84	0.50
TLCDS74-121	120	0.89	0.49
TLCDS74-151	150	1.27	0.43
TLCDS74-181	180	1.45	0.39
TLCDS74-221	220	1.50	0.35
TLCDS74-271	270	2.31	0.32
TLCDS74-331	330	2.62	0.28
TLCDS74-391	390	2.94	0.26
TLCDS74-471	470	4.18	0.24
TLCDS74-561	560	4.67	0.22
TLCDS74-681	680	6.10	0.18
TLCDS74-821	820	6.54	0.18
TLCDS74-102	1000	10.57	0.16

Marking:

XXX- Inductance in µH

100: 10 µH

151: 100 µH

102: 1000 µH

Notes:

1. Inductance: Measured at 100kHz, 0.1Vrms
2. Inductance drop 20% typical at IDC
3. For 10% tolerance add letter "K" at the end of the part number

Tol = ± (0.25)

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Data subject to change without notice

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