



SMD Inductors

SMD Shielded Power Inductor - TCRH73/74 Series / 贴片闭磁式功率电感

► SMD Shielded Power Inductor Features

- Magnetically shielded construction
- Compact and thin
- Large Current and Low DCR

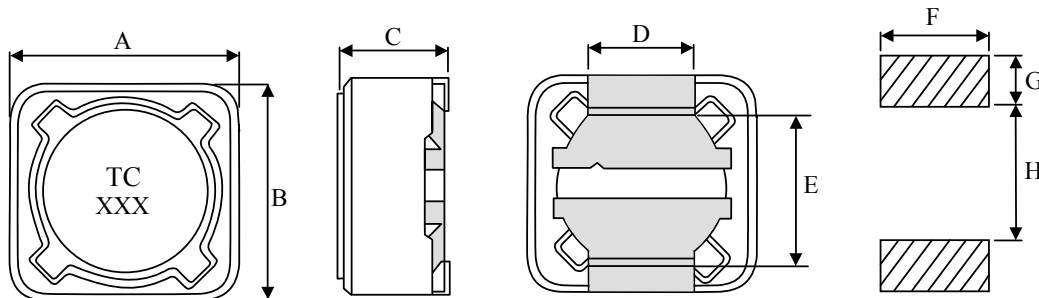
► Applications

- VTR, OA equipment, LCD television set, Notebook, portable communication equipments, DC/DC converters, etc..

► SMD Shielded Power Inductor Dimensions & Configurations (Unit In mm)

Type	A(max)	B(max)	C(max)	D \pm 0.2	E \pm 0.2	F	G	H
TCRH73	7.5	7.5	3.4	2.7	5.1	3.1	1.6	4.8
TCRH74	7.5	7.5	4.5	2.7	5.1	3.1	1.6	4.8

Note: Design as Customer's Requested Specifications.



► Electrical Characteristics for TCRH73 Series SMD Shielded Power Inductor

Part Number	Inductance (μ H)	Test Freq. (KHz)	DCR (Ω) (max)	IDC (A) (max)
TCRH73 - 100M	10.00	1	0.072	1.68
TCRH73 - 120M	12.00	1	0.098	1.52
TCRH73 - 150M	15.00	1	0.130	1.33
TCRH73 - 180M	18.00	1	0.140	1.20
TCRH73 - 220M	22.00	1	0.190	1.07
TCRH73 - 270M	27.00	1	0.210	0.96
TCRH73 - 330M	33.00	1	0.240	0.91
TCRH73 - 390M	39.00	1	0.320	0.77
TCRH73 - 470M	47.00	1	0.360	0.76
TCRH73 - 560M	56.00	1	0.470	0.68
TCRH73 - 680M	68.00	1	0.520	0.61
TCRH73 - 820M	82.00	1	0.690	0.57
TCRH73 - 101M	100.00	1	0.790	0.50
TCRH73 - 121M	120.00	1	0.890	0.49
TCRH73 - 151M	150.00	1	1.270	0.43
TCRH73 - 181M	180.00	1	1.450	0.39
TCRH73 - 221M	220.00	1	1.650	0.35
TCRH73 - 271M	270.00	1	2.310	0.32
TCRH73 - 331M	330.00	1	2.620	0.28
TCRH73 - 391M	390.00	1	2.940	0.26

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Part Number	Inductance (μH)	Test Freq. (KHz)	DCR (Ω) (max)	IDC (A) (max)
TCRH73 - 471M	470.00	1	4.180	0.24
TCRH73 - 561M	560.00	1	4.670	0.22
TCRH73 - 681M	680.00	1	5.730	0.19
TCRH73 - 821M	820.00	1	6.540	0.18
TCRH73 - 102M	1000.00	1	9.440	0.16

Note: Test Freq.: 1KHz / 0.25V.

Operating Temp.: -40°C ~ +85°C

Inductance drop=10% typ. at IDC.

► Electrical Characteristics for TCRH74 Series SMD Shielded Power Inductor

Part Number	Inductance (μH)	Test Freq. (KHz)	DCR (Ω) (max)	IDC (A) (max)
TCRH74 - 100M	10.00	1	0.049	1.84
TCRH74 - 120M	12.00	1	0.058	1.71
TCRH74 - 150M	15.00	1	0.081	1.47
TCRH74 - 180M	18.00	1	0.091	1.31
TCRH74 - 220M	22.00	1	0.110	1.23
TCRH74 - 270M	27.00	1	0.150	1.12
TCRH74 - 330M	33.00	1	0.170	0.96
TCRH74 - 390M	39.00	1	0.230	0.91
TCRH74 - 470M	47.00	1	0.260	0.88
TCRH74 - 560M	56.00	1	0.350	0.75
TCRH74 - 680M	68.00	1	0.380	0.69
TCRH74 - 820M	82.00	1	0.430	0.61
TCRH74 - 101M	100.00	1	0.610	0.60
TCRH74 - 121M	120.00	1	0.660	0.52
TCRH74 - 151M	150.00	1	0.880	0.46
TCRH74 - 181M	180.00	1	0.980	0.42
TCRH74 - 221M	220.00	1	1.170	0.36
TCRH74 - 271M	270.00	1	1.640	0.34
TCRH74 - 331M	330.00	1	1.860	0.32
TCRH74 - 391M	390.00	1	2.850	0.29
TCRH74 - 471M	470.00	1	3.010	0.26
TCRH74 - 561M	560.00	1	3.620	0.23
TCRH74 - 681M	680.00	1	4.630	0.22
TCRH74 - 821M	820.00	1	5.200	0.20
TCRH74 - 102M	1000.00	1	6.000	0.18

Note: Test Freq.: 1KHz / 0.25V.

Operating Temp.: -40°C ~ +85°C

Inductance drop=10% typ. at IDC.



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► How to Order

1 TCRH73 - **2** 100 **3** M

1 SMD Shielded Power Inductor:TCRH73, TCRH74

2 Inductance

Code	Inductance
100	10.00μH
101	100.00μH

3 Tolerance

Code	Tolerance
K	10%
L	15%
M	20%
N	30%