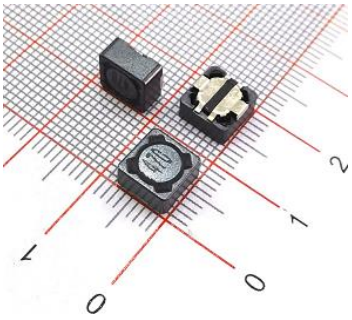
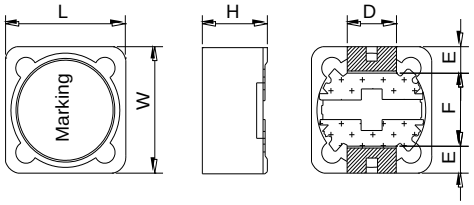
KTDRH74S Series
SMD Power Inductors

Product outline

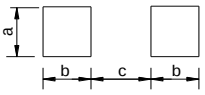
- Magnetically shielded types.
- A wide range of product line up is available to meet various requirements.
- Excellent saturation current handling to be up to 1.84A.
- For DC/DC converter applications.
- Ideally used in car navigation, LED Lighting, Notebook PC,power modules, etc.
- Custom design is also available.



Dimensions(mm)



Recommended Patterns



Type	L	W	H	D	E	F	a	b	c	Packaging (pcs/reel)
KTDRH74S	7.8 Max	7.8 Max	5.0 Max	1.8	1.0	5.4	2.2	1.6	4.8	1000

Dimensions without tolerance are typical.

Electrical Characteristics

Part Number	Inductance-L (uH)	Inductance tolerance	Test Conditions	DCR max. (mΩ) ①	Rated current (A) ②
KTDRH74S-100MCS	10	±20%	100kHz/0.5V	49	1.84
KTDRH74S-120MCS	12	±20%	100kHz/0.5V	58	1.71
KTDRH74S-150MCS	15	±20%	100kHz/0.5V	81	1.47
KTDRH74S-180MCS	18	±20%	100kHz/0.5V	91	1.31
KTDRH74S-220MCS	22	±20%	100kHz/0.5V	110	1.23
KTDRH74S-270MCS	27	±20%	100kHz/0.5V	150	1.12
KTDRH74S-330MCS	33	±20%	100kHz/0.5V	170	0.96
KTDRH74S-390MCS	39	±20%	100kHz/0.5V	230	0.91
KTDRH74S-470MCS	47	±20%	100kHz/0.5V	260	0.88
KTDRH74S-560MCS	56	±20%	100kHz/0.5V	350	0.75
KTDRH74S-680MCS	68	±20%	100kHz/0.5V	380	0.69
KTDRH74S-820MCS	82	±20%	100kHz/0.5V	430	0.61
KTDRH74S-101MCS	100	±20%	1kHz/0.5V	610	0.60
KTDRH74S-121MCS	120	±20%	1kHz/0.5V	660	0.52
KTDRH74S-151MCS	150	±20%	1kHz/0.5V	880	0.46
KTDRH74S-181MCS	180	±20%	1kHz/0.5V	980	0.42
KTDRH74S-221MCS	220	±20%	1kHz/0.5V	1170	0.36
KTDRH74S-271MCS	270	±20%	1kHz/0.5V	1640	0.34
KTDRH74S-331MCS	330	±20%	1kHz/0.5V	1860	0.32
KTDRH74S-391MCS	390	±20%	1kHz/0.5V	2850	0.29
KTDRH74S-471MCS	470	±20%	1kHz/0.5V	3010	0.26
KTDRH74S-561MCS	560	±20%	1kHz/0.5V	3620	0.23
KTDRH74S-102MCS	1000	±20%	1kHz/0.5V	6000	0.18

①DCR measured on a micro-ohmmeter.

②Rated current: the DC current at which the inductance decreases by 35% of its nominal value or at which △t=40℃, whichever is lower(Ta=20℃).

All specifications are subject to change without notice.