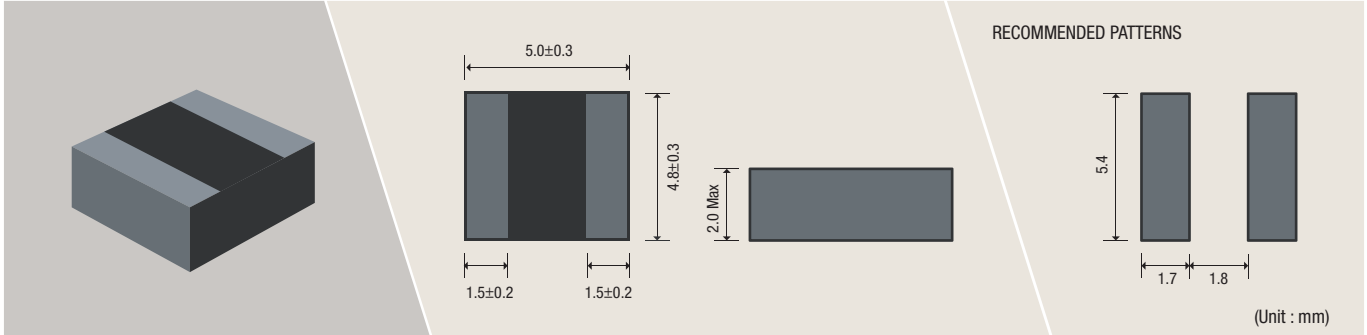


# HSPP504820UL

POWER INDUCTORS FOR SURFACE MOUNTING



## FEATURES

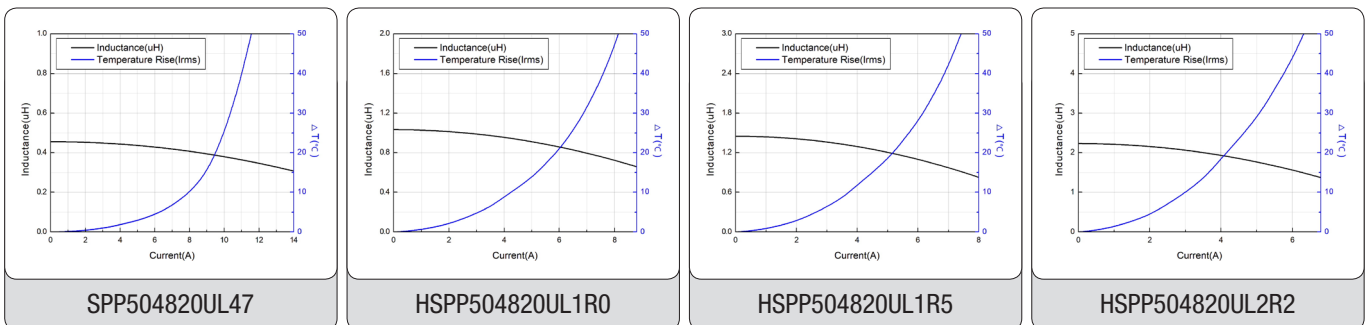
- Magnetic alloy power choke coil.
- Miniature size(5.0×4.8)
- Magnetic shielded.
- Low acoustic noise and high efficiency.
- Halogen Free and RoHS compliant.
- Ultra Low DCR

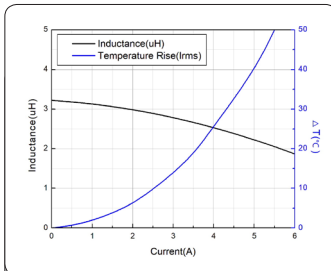
## SPECIFICATION

Part. No.	Inductance @1MHz [μH]	DC Resistance [mΩ]Typ(Max)	Saturation Current <sub>sat 30%</sub> [A] Typ.	Rated Current <sub>dc</sub> [A] Typ. (ΔT = 40°C)
HSPP504820ULR47	0.47 ± 20%	6(7.2)	13.30	11.00
HSPP504820UL1R0	1.0 ± 20%	11.5(13.5)	8.00	7.60
HSPP504820UL1R5	1.5 ± 20%	13.5(16)	6.70	6.90
HSPP504820UL2R2	2.2 ± 20%	19(23)	6.00	5.80
HSPP504820UL3R3	3.3 ± 20%	25(30)	5.00	5.00
HSPP504820UL4R7	4.7 ± 20%	30(36)	4.00	4.50
HSPP504820UL6R8	6.8 ± 20%	50(60)	3.40	3.60
HSPP504820UL100	10 ± 20%	70(84)	2.70	3.00
HSPP504820UL220	22 ± 20%	150(180)	2.30	2.00
HSPP504820UL330	33 ± 20%	230(270)	2.10	1.60
HSPP504820UL470	47 ± 20%	300(360)	1.40	1.40
HSPP504820UL680	68 ± 20%	470(560)	1.20	1.10

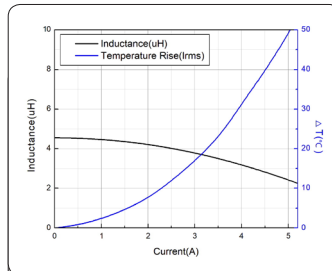
- Inductance is measured with the 4294A(AgilentTechnologies) or equivalent. (@1 MHz, 0.1Vrms)
- DCResistance is measured with the Digital Multimeter 3541(Hioki) or equivalent.
- Maximum allowable DC current is that which caused a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller. (Ambient temp.20°C)

## ELECTRICAL CHARACTERISTICS

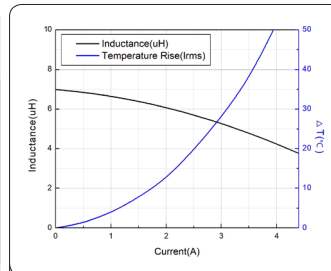




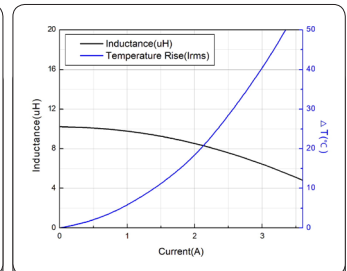
HSP504820UL3R3



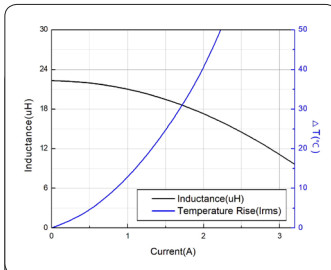
HSP504820UL4R7



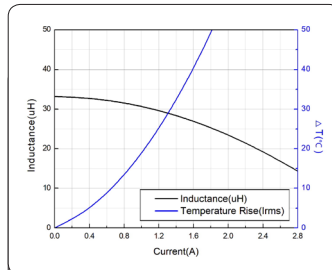
HSP504820UL6R8



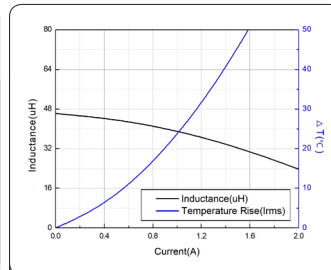
HSP504820UL100



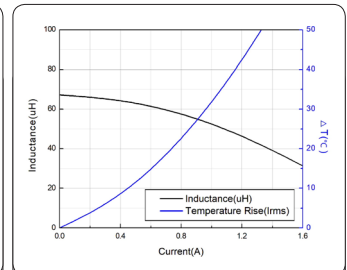
HSP504820UL220



HSP504820UL330

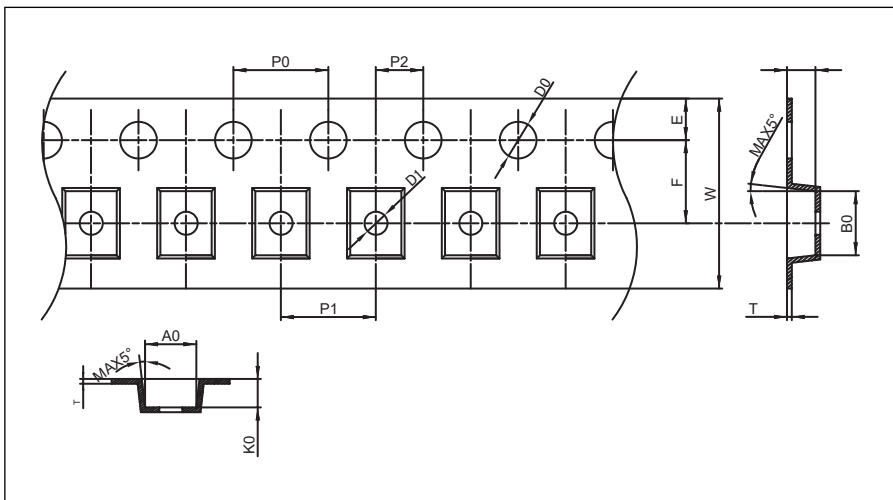


HSP504820UL470



HSP504820UL680

## REEL TAPE SPECIFICATION



Symbol	Specification
A0	5.30± 0.1
B0	5.50± 0.1
K0	2.30± 0.1
P0	4.00± 0.1
P1	8.00± 0.1
P2	2.00± 0.05
T	0.30± 0.05
E	1.75± 0.1
F	5.50± 0.05
D0	1.50± 0.1
D1	1.50± 0.1
W	12.00± 0.2