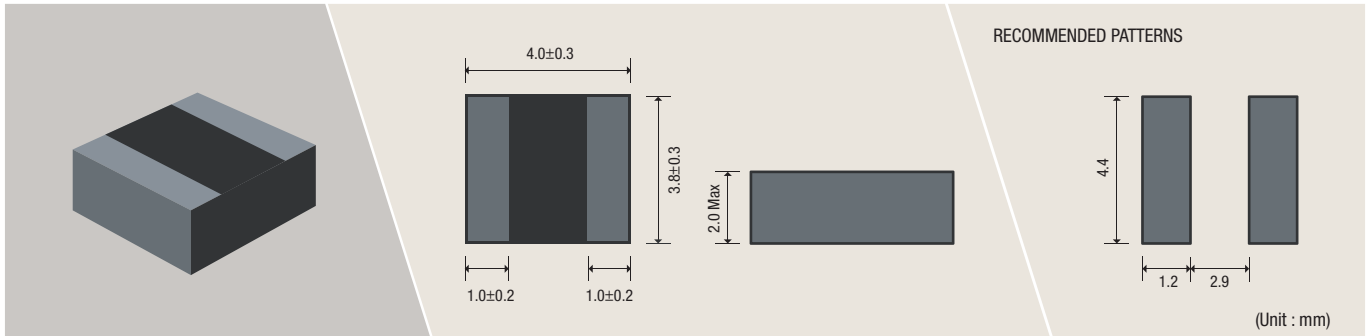


# HSPP403820UL

POWER INDUCTORS FOR SURFACE MOUNTING



(Unit : mm)

## FEATURES

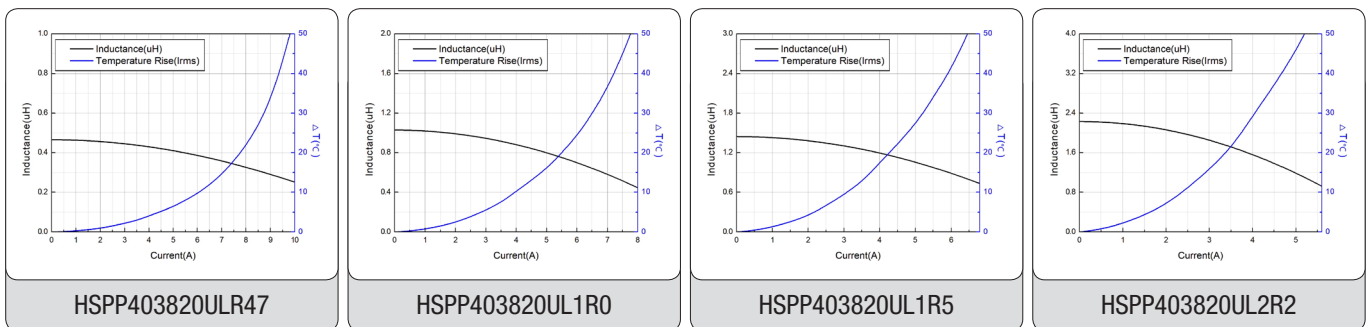
- Magnetic alloy power choke coil.
- Miniature size(4.0×3.8)
- Magnetic shielded.
- Low acoustic noise and high efficiency.
- Halogen Free and RoHS compliant.
- Ultra Low DCR

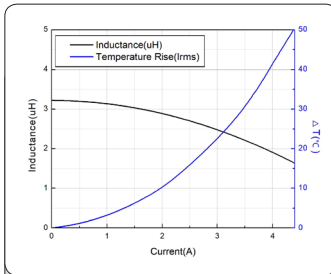
## SPECIFICATION

Part. No.	Inductance @1MHz [μH]	DC Resistance [mΩ]Typ(Max)	Saturation Current <sub>sat</sub> 30% [A] Typ.	Rated Current <sub>Idc</sub> [A] Typ. (ΔT = 40°C)
HSPP403820ULR47	0.47 ± 20%	6.5(7.5)	8.00	9.40
HSPP403820UL1R0	1.0 ± 20%	10.5(12.5)	5.80	7.30
HSPP403820UL1R5	1.5 ± 20%	16(19)	5.30	5.90
HSPP403820UL2R2	2.2 ± 20%	25(30)	4.00	4.70
HSPP403820UL3R3	3.3 ± 20%	34(40)	3.40	3.90
HSPP403820UL4R7	4.7 ± 20%	42(50)	3.00	3.50
HSPP403820UL6R8	6.8 ± 20%	66(79)	2.40	2.80
HSPP403820UL100	10.0 ± 20%	88(105)	2.00	2.40
HSPP403820UL220	22.0 ± 20%	190(228)	1.50	1.60
HSPP403820UL330	33.0 ± 20%	310(370)	1.20	1.30
HSPP403820UL470	47.0 ± 20%	400(480)	1.00	1.10

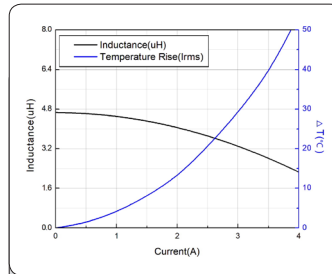
- Inductance is measured with the 4294A(AgilentTechnologies) or equivalent. (@1 MHz, 0.1Vrms)
- DCResistance is measured with the Digital Multimeter 3541(Hioki) or equivalent.
- Maximum allowable DC current is that which caused a 30% inductance reduction from the initial value, coil temperature to rise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

## ELECTRICAL CHARACTERISTICS

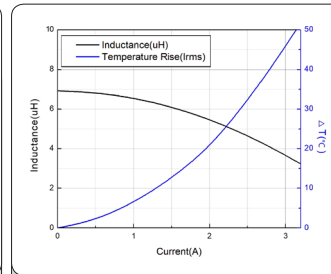




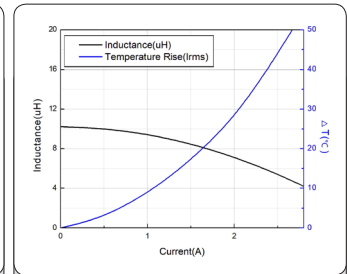
HSP403820UL3R3



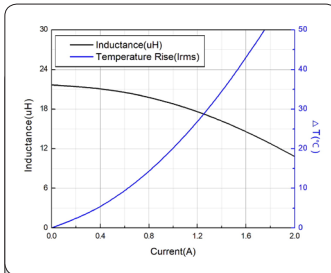
HSP403820UL4R7



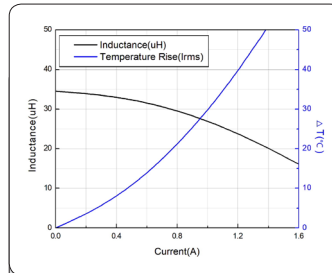
HSP403820UL6R8



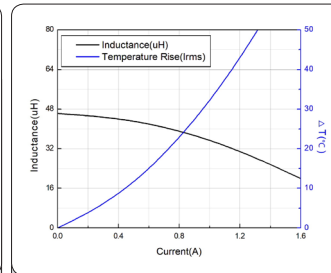
HSP403820UL100



HSP403820UL220

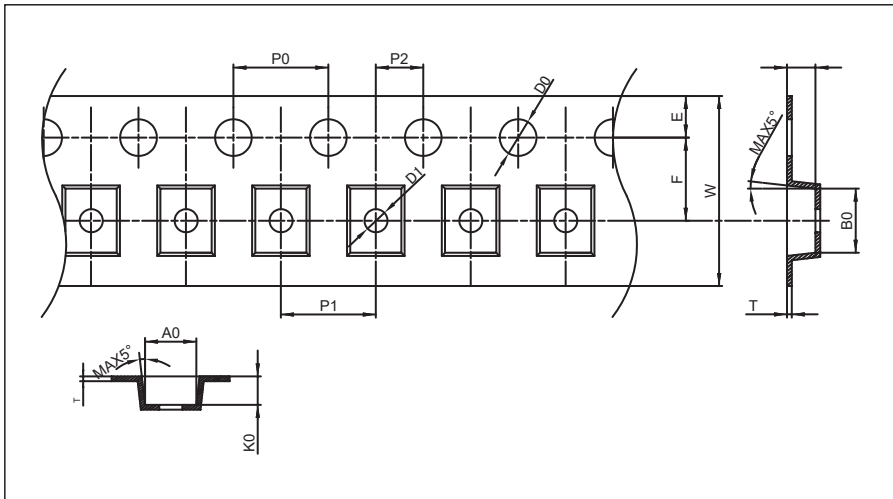


HSP403820UL330



HSP403820L470

## REEL TAPE SPECIFICATION



Symbol	Specification
A0	4.25± 0.1
B0	4.45± 0.1
K0	2.30± 0.1
P0	4.00± 0.1
P1	8.00± 0.1
P2	2.00± 0.05
T	0.25± 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