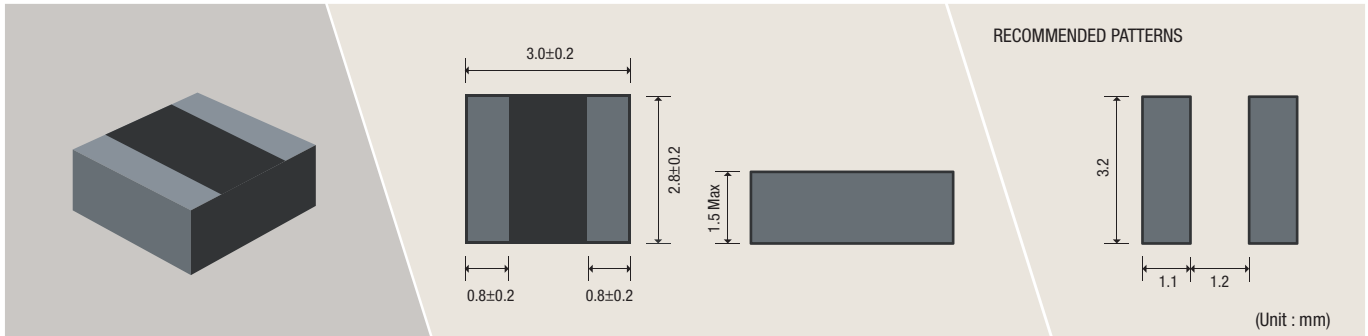


# HSPP302815L

POWER INDUCTORS FOR SURFACE MOUNTING



## FEATURES

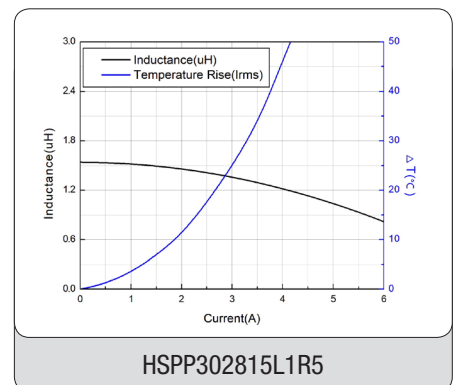
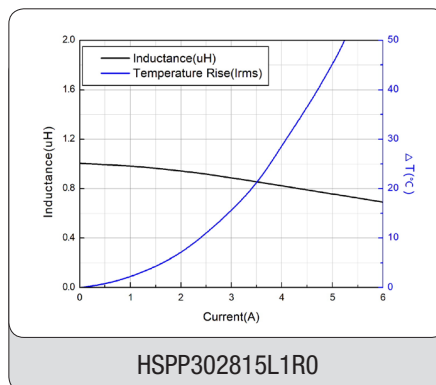
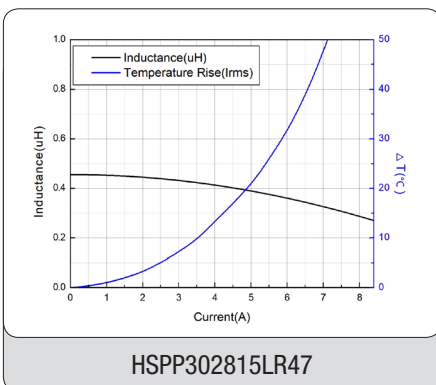
- Magnetic alloy power choke coil.
- Miniature size(3.0×2.8)
- Magnetic shielded.
- Low acoustic noise and high efficiency.
- Halogen Free and RoHS compliant.
- Low DCR

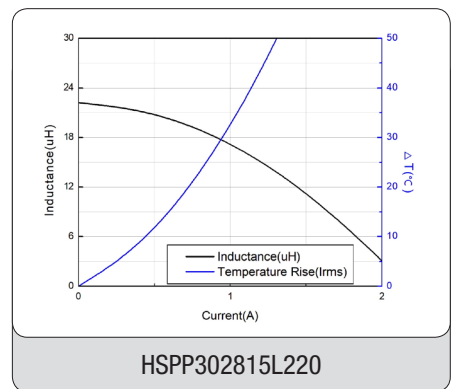
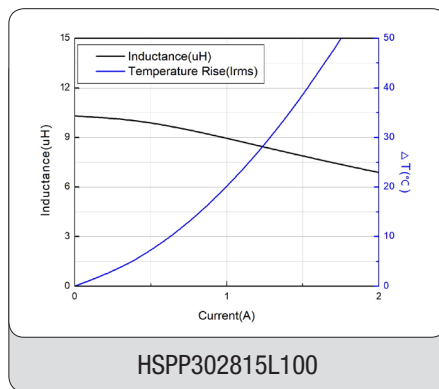
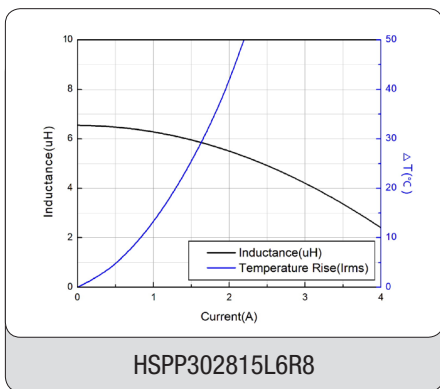
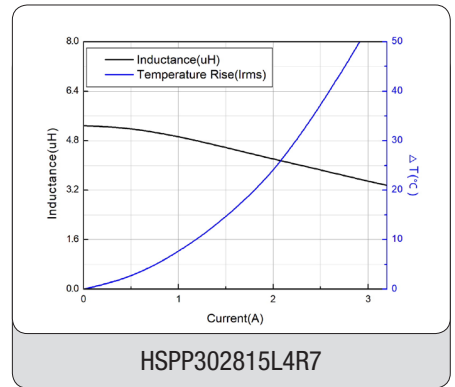
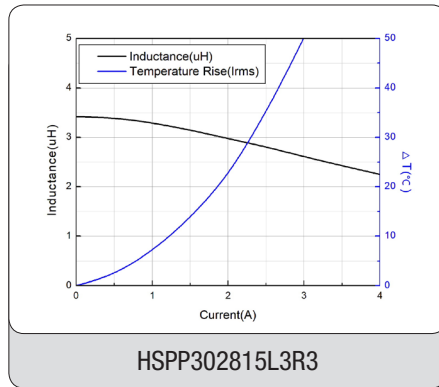
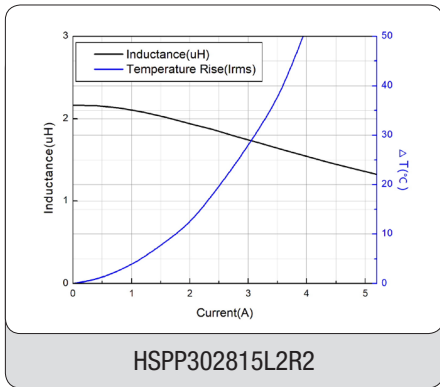
## SPECIFICATION

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)
HSPP302815LR47	0.47 ± 20%	12(14)	7.20	6.70
HSPP302815L1R0	1.0 ± 20%	24(28)	5.50	4.70
HSPP302815L1R5	1.5 ± 20%	33(39)	4.80	3.80
HSPP302815L2R2	2.2 ± 20%	47(56)	4.20	3.20
HSPP302815L3R3	3.3 ± 20%	70(84)	3.80	2.60
HSPP302815L4R7	4.7 ± 20%	100(120)	3.20	2.20
HSPP302815L6R8	6.8 ± 20%	130(156)	2.70	1.90
HSPP302815L100	10 ± 20%	215(250)	1.80	1.40
HSPP302815L220	22 ± 20%	480(570)	1.10	1.00

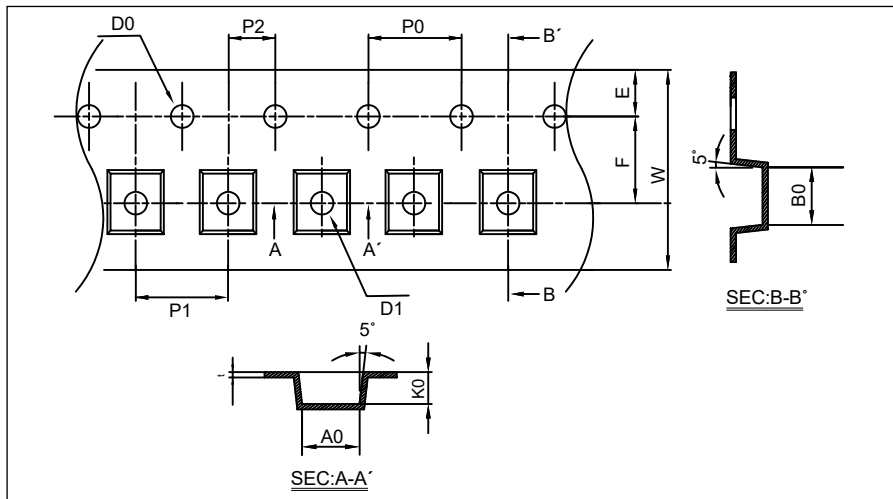
- Inductance is measured with the 4294A(AgilentTechnologies) or equivalent. (@1 MHz, 0.1Vrms)
- DCResistance is measured with the Digital Multimeter 3541(Hioki) or equivalent.
- Maximum allowable DC current is that which caused a 30% inductance reduction from the initial value, coil temperature to rise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

## ELECTRICAL CHARACTERISTICS





## REEL TAPE SPECIFICATION



Item	Specification	Tol.(+/-)
W	8.00	± 0.20
E	1.75	± 0.10
F	3.50	± 0.05
D0	Φ1.50	+ 0.10, - 0
D1	Φ1.00	± 0.10
P0	4.00	± 0.05
P1	4.00	± 0.10
P2	2.00	± 0.05
P0x10	40.00	± 0.20
T	0.23	± 0.05
A0	3.20	± 0.10
B0	3.20	± 0.10
K0	1.70	± 0.10