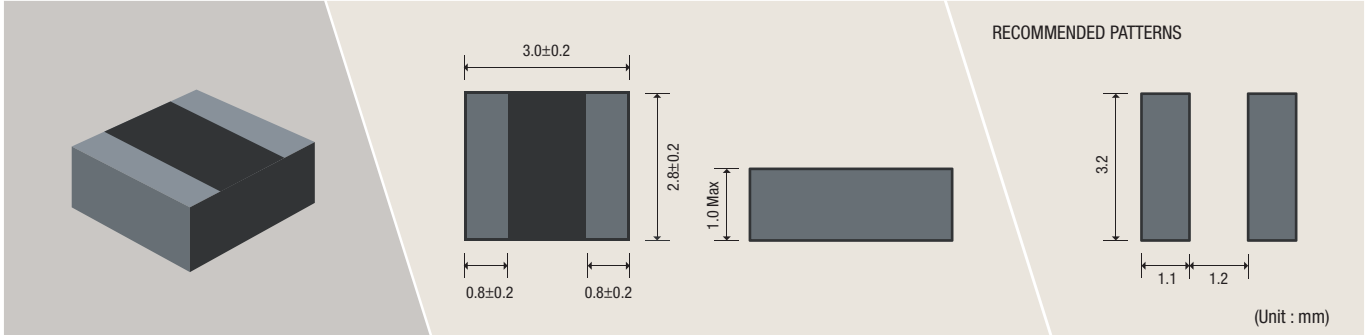


# HSPP302810L

POWER INDUCTORS FOR SURFACE MOUNTING



## FEATURES

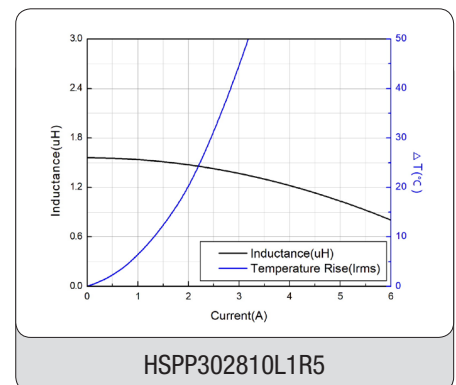
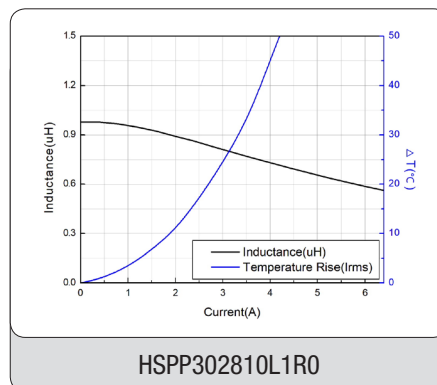
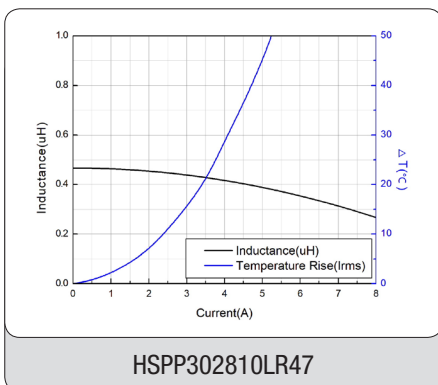
- Magnetic alloy power choke coil.
- Miniature size(3.0×2.8) and low profile.
- Magnetic shielded.
- Low acoustic noise and high efficiency.
- Halogen Free and RoHS compliant.
- Low DCR

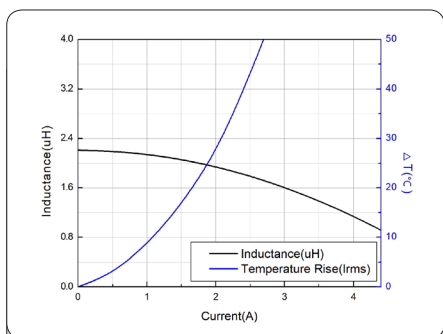
## SPECIFICATION

Part. No.	Inductance @1MHz [μH]	DC Resistance [mΩ]Typ(Max)	Saturation CurrentI <sub>sat</sub> 30% [A] Typ.	Rated CurrentI <sub>dc</sub> [A] Typ. (ΔT = 40°C)
HSPP302810LR47	0.47 ± 20%	22(26)	6.70	4.70
HSPP302810L1R0	1.0 ± 20%	34(40)	4.80	3.60
HSPP302810L1R5	1.5 ± 20%	54(64)	3.80	2.90
HSPP302810L2R2	2.2 ± 20%	80(96)	3.10	2.50
HSPP302810L3R3	3.3 ± 20%	135(160)	2.60	1.90
HSPP302810L4R7	4.7 ± 20%	175(210)	2.00	1.60
HSPP302810L6R8	6.8 ± 20%	250(300)	1.80	1.40
HSPP302810L100	10.0 ± 20%	325(390)	1.40	1.20

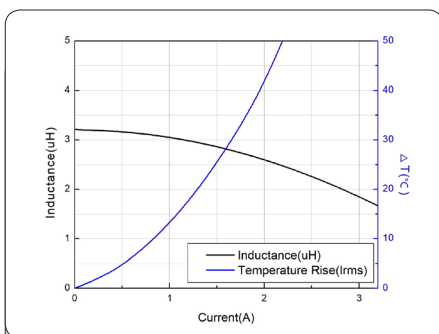
- Inductance is measured with the 4294A(AgilentTechnologies) or equivalent. (@1 MHz, 0.1Vrms)
- DCResistance is measured with the Digital Multimeter 3541(Hioki) or equivalent.
- Maximum allowable DC current is that which caused a 30% inductance reduction from the initial value, coil temperature to rise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

## ELECTRICAL CHARACTERISTICS

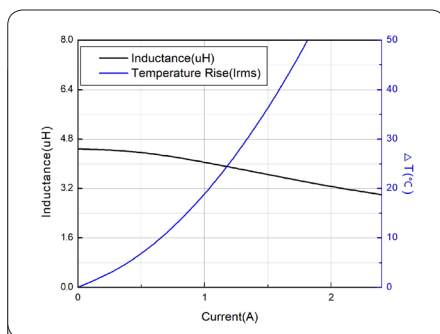




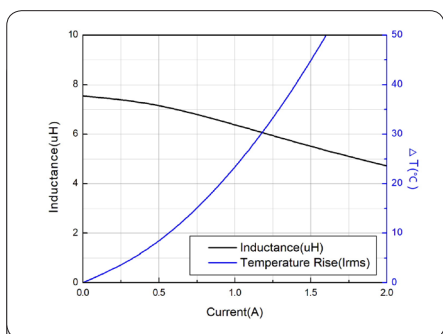
HSP302810L2R2



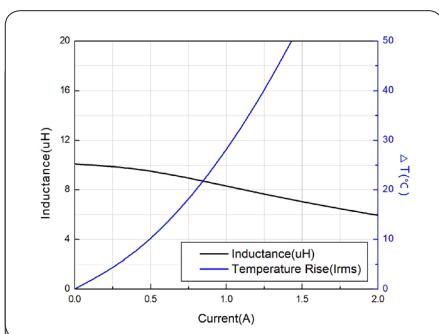
HSP302810L3R3



HSP302810L4R7

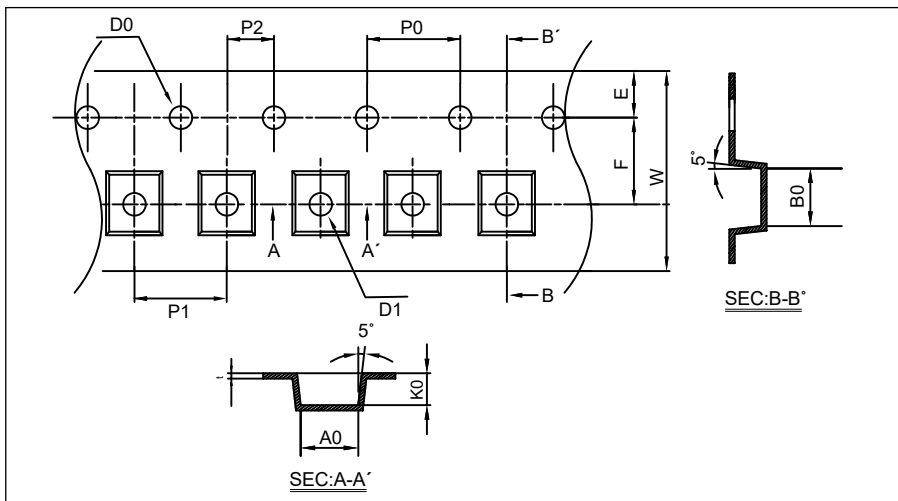


HSP302810L6R8



HSP302810L100

## 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	1.10	± 0.10