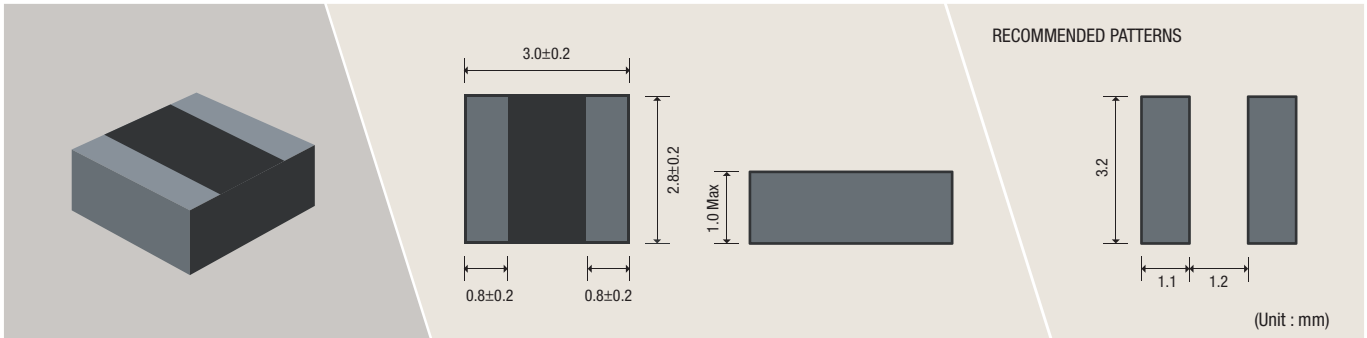


HSPP302810UL

POWER INDUCTORS FOR SURFACE MOUNTING



FEATURES

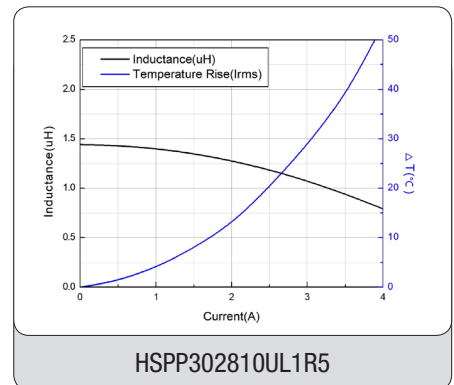
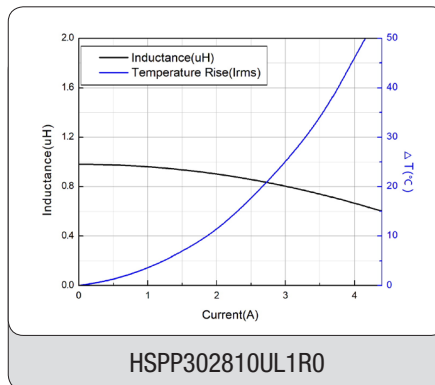
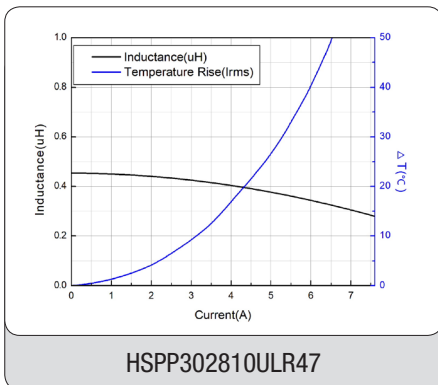
- Magnetic alloy power choke coil.
- Miniature size(3.0×2.8) and low profile.
- Magnetic shielded.
- Low acoustic noise and high efficiency.
- Halogen Free and RoHS compliant.
- Ultra Low DCR

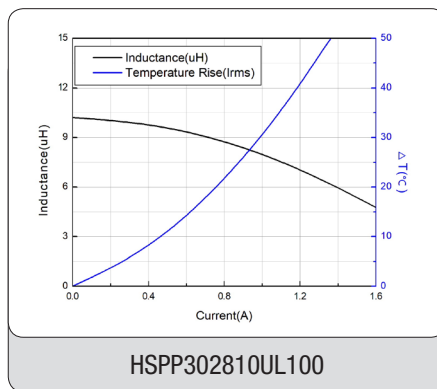
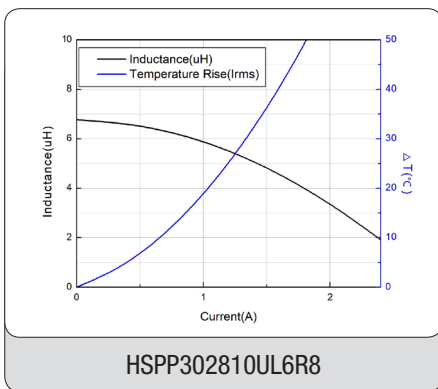
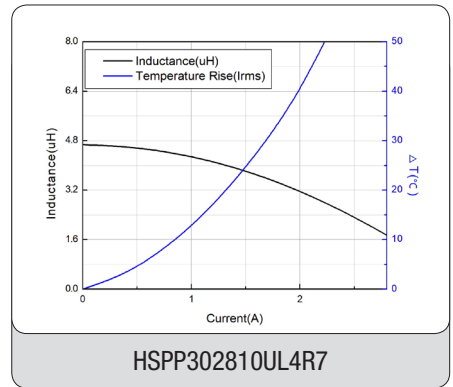
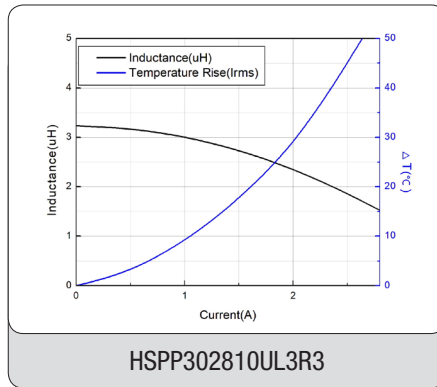
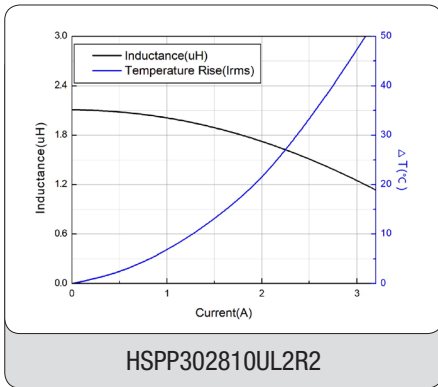
SPECIFICATION

Part. No.	Inductance @1MHz [μH]	DC Resistance [mΩ]Typ(Max)	Saturation Current _{sat 30%} [A] Typ.	Rated Current _{Idc} [A] Typ. (ΔT = 40°C)
HSPP302810ULR47	0.47 ± 20%	13.5(16)	6.70	6.00
HSPP302810UL1R0	1.0 ± 20%	34(40)	3.80	3.80
HSPP302810UL1R5	1.5 ± 20%	38(45)	3.30	3.50
HSPP302810UL2R2	2.2 ± 20%	66(79)	2.60	2.70
HSPP302810UL3R3	3.3 ± 20%	95(114)	2.20	2.30
HSPP302810UL4R7	4.7 ± 20%	120(144)	1.90	2.00
HSPP302810UL6R8	6.8 ± 20%	200(240)	1.50	1.60
HSPP302810UL100	10.0 ± 20%	310(370)	1.20	1.20

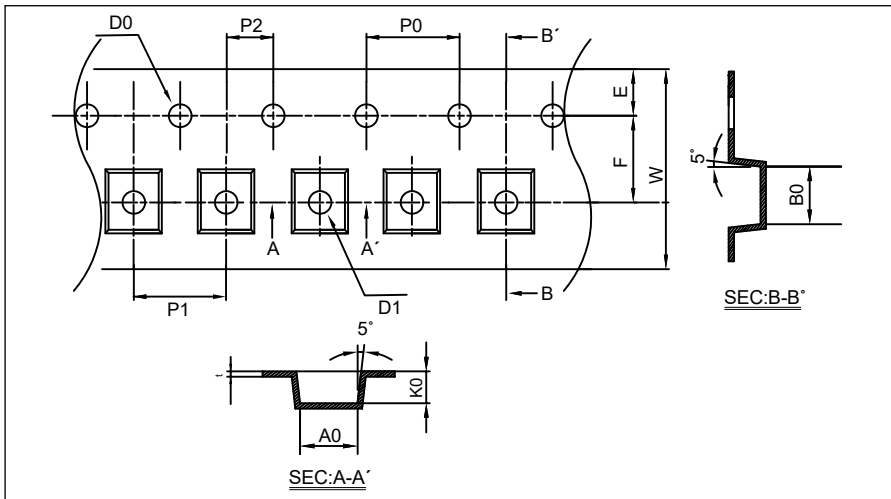
- Inductance is measured with the 4294A(AgilentTechnologies) or equivalent. (@1 MHz, 0.1Vrms)
- DCResistance is measured with the Digital Multimeter 3541(Hioki) or equivalent.
- Maximum allowable DC current is that which caused a 30% inductance reduction from the initial value, coil temperature to rise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

ELECTRICAL CHARACTERISTICS





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