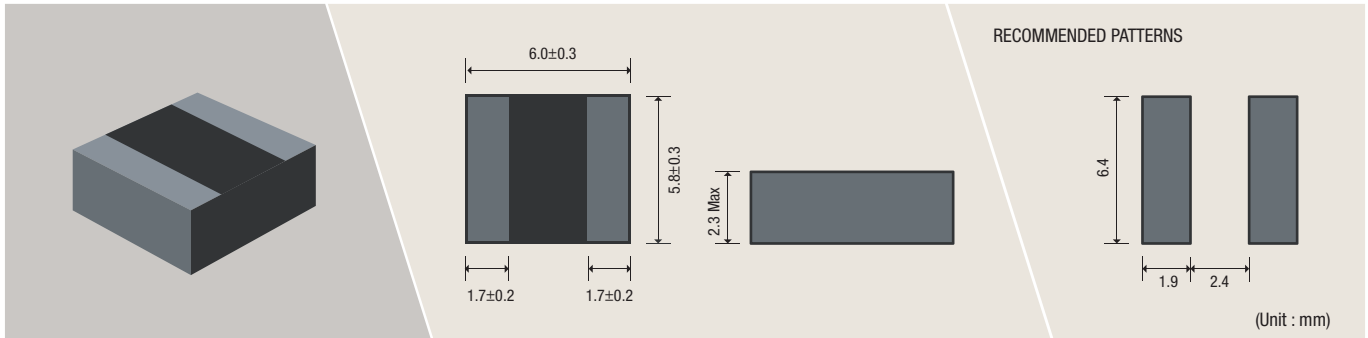


HSP605823UL

POWER INDUCTORS FOR SURFACE MOUNTING



FEATURES

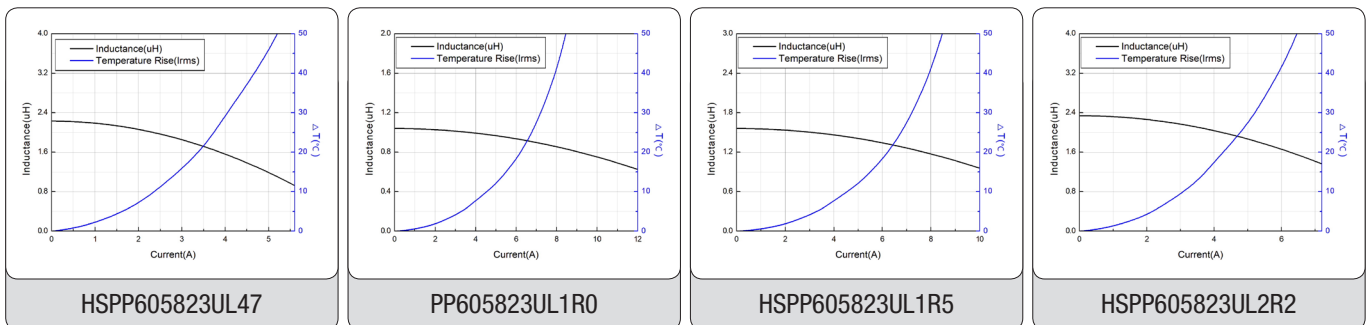
- Magnetic alloy power choke coil.
- Miniature size(6.0×5.8)
- Magnetic shielded.
- Low acoustic noise and high efficiency.
- Halogen Free and RoHS compliant.
- Ultra Low DCR

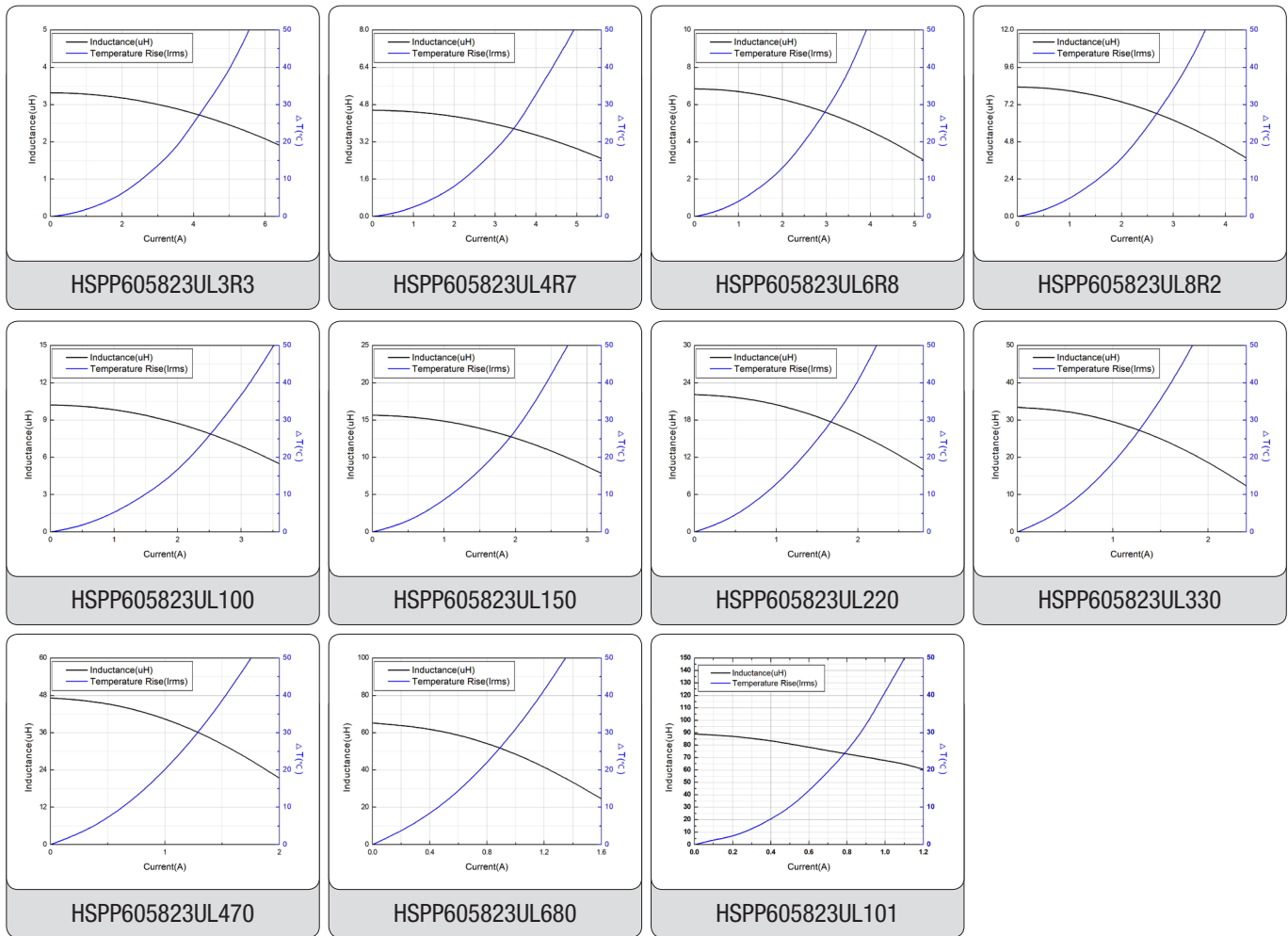
SPECIFICATION

Part. No.	Inductance @1MHz [μH]	DC Resistance[mΩ] Typ(Max)	Saturation Current Isat 30% [A] Typ.	Rated Current Idc [A] Typ. (ΔT = 40°C)
HSP605823ULR47	0.47 ± 20%	5.5(6.5)	17.60	10.60
HSP605823UL1R0	1.0 ± 20%	9.5(11.5)	10.50	8.00
HSP605823UL1R5	1.5 ± 20%	13(15.5)	8.80	7.00
HSP605823UL2R2	2.2 ± 20%	18(21)	6.10	5.90
HSP605823UL3R3	3.3 ± 20%	23(27)	5.30	5.10
HSP605823UL4R7	4.7 ± 20%	30(36)	4.40	4.40
HSP605823UL6R8	6.8 ± 20%	45(54)	3.80	3.60
HSP605823UL8R2	8.2 ± 20%	53(63)	3.30	3.30
HSP605823UL100	10 ± 20%	62(74)	2.90	3.10
HSP605823UL150	15 ± 20%	90(108)	2.40	2.50
HSP605823UL220	22 ± 20%	140(168)	2.00	2.00
HSP605823UL330	33 ± 20%	185(220)	1.70	1.70
HSP605823UL470	47 ± 20%	250(300)	1.50	1.50
HSP605823UL680	68 ± 20%	365(430)	1.30	1.20
HSP605823UL101	100 ± 20%	740(880)	1.10	1.00

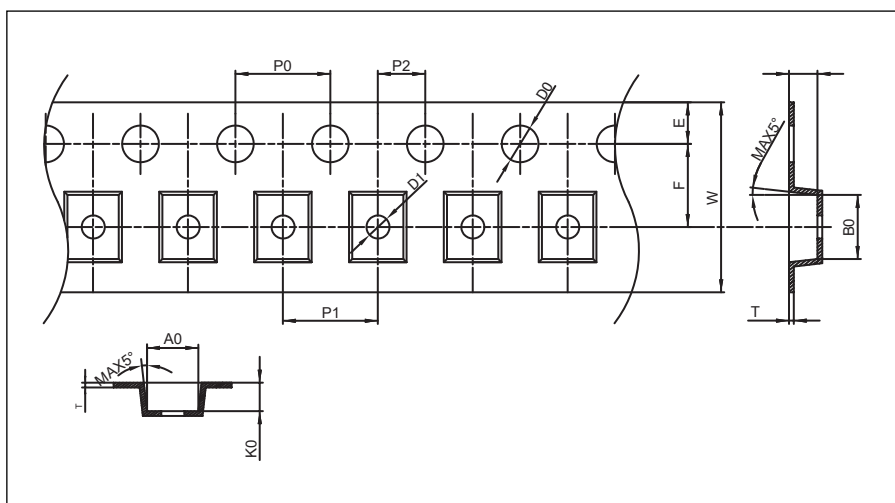
- Inductance is measured with the 4294A(AgilentTechnologies) or equivalent. (@1 MHz, 0.1Vrms)
- DCResistance is measured with the Digital Multimeter 3541(Hioki) or equivalent.
- Maximum allowable DC current is that which caused a 30% inductance reduction from the initial value, coil temperature to rise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

ELECTRICAL CHARACTERISTICS





REEL TAPE SPECIFICATION



Symbol	Specification
A0	6.20± 0.1
B0	6.40± 0.1
K0	2.50± 0.1
P0	4.00± 0.1
P1	8.00± 0.1
P2	2.00± 0.5
T	0.30± 0.05
E	1.75± 0.1
F	5.50± 0.05
D0	1.55± 0.05
D1	1.55± 0.05
W	12.00± 0.2