



Fat wire High Current Inductors

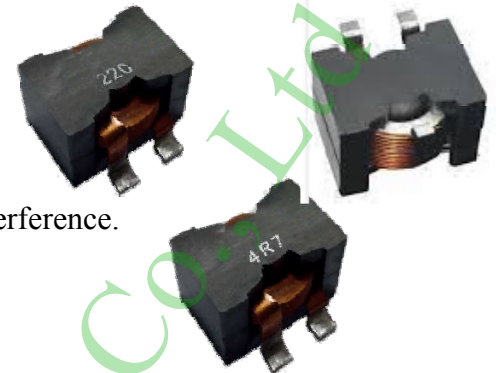
PSPQ2016 Series

Inductance Range:6.8μH~47μH

Temperature Range:−40℃~+125℃

Feature:

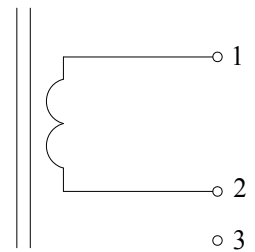
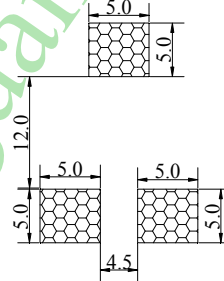
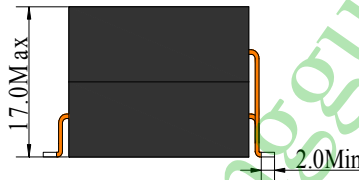
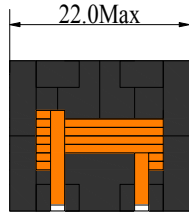
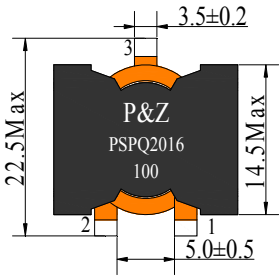
- 1.Magnetic shielding structure, Excellent resistance, to electromagnetic interference.
2. Assemblage project, sturdy construction.
3. Low magnetic loss, low ESR, Small parasitic capacitance.
4. Closed magnetic circuit, super-low buzzing, can high density mount.
5. Small volume, high current, The temperature rise of current and. Rated current less influenced by the environment.



Dimensions: (mm)

LAND PATTERNS(mm)

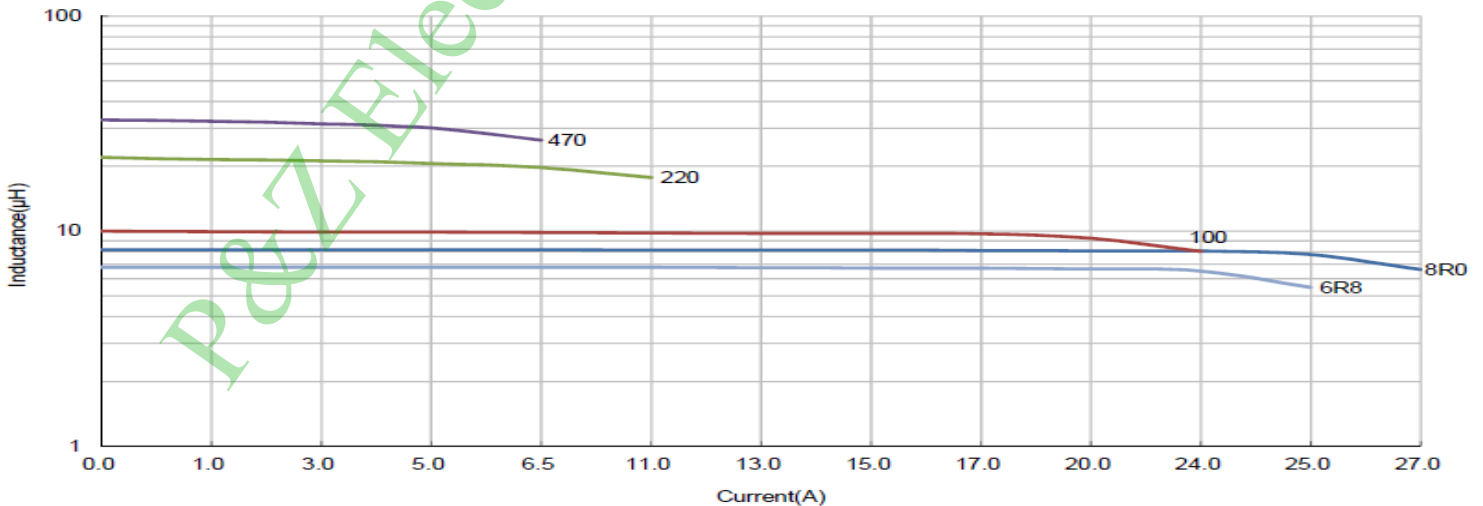
Schematic



Electrical Specifications

Part No	Test frequency	Inductance L(μH)±20%	DCR(mΩ)Max		Isat(A) ³ Drop≤20%	Isat(A) ⁴ Rise≤40%
			Nom	Max		
PSPQ2016-6R8M	100KHZ/0.25V	6.8	3.1	3.5	25.0	20.0
PSPQ2016-8R0M	100KHZ/0.25V	8.0	3.1	3.5	27.0	20.0
PSPQ2016-100M	100KHZ/0.25V	10.0	4.4	6.0	24.0	18.0
PSPQ2016-220M	100KHZ/0.25V	22.0	4.4	6.0	11.0	18.0
PSPQ2016-470M	100KHZ/0.25V	47.0	9.6	10.5	6.0	15.0

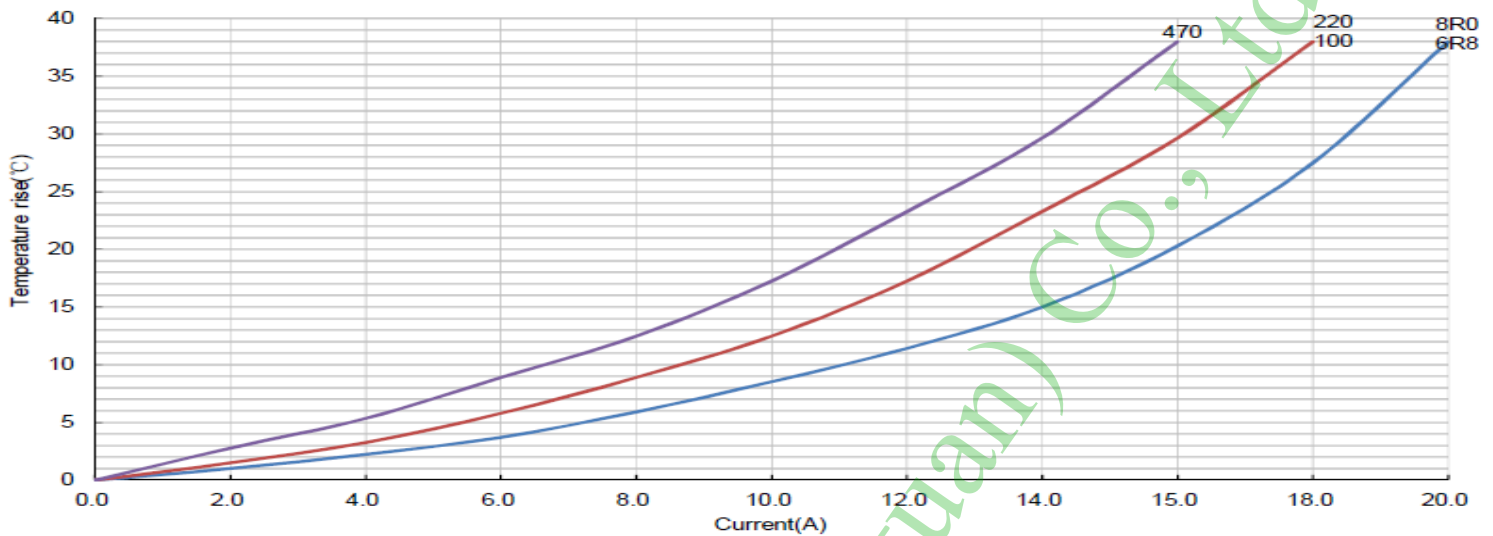
Typical Inductance vs Current Characteristics





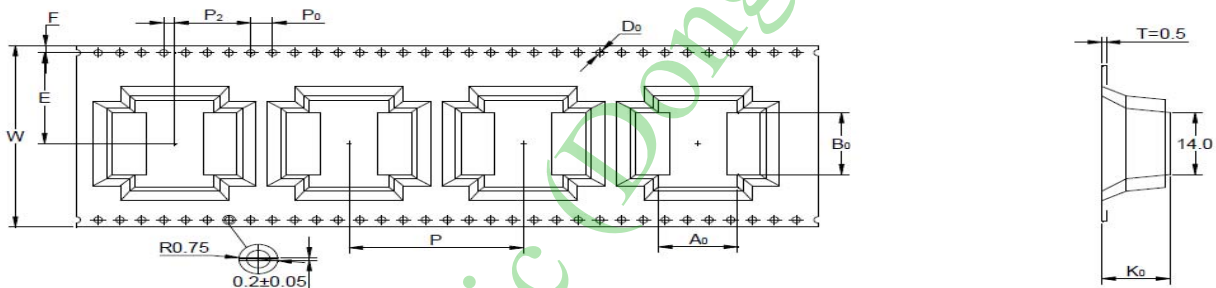
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PSPQ2016 Series

Typical Temperature Rise vs Current Characteristics



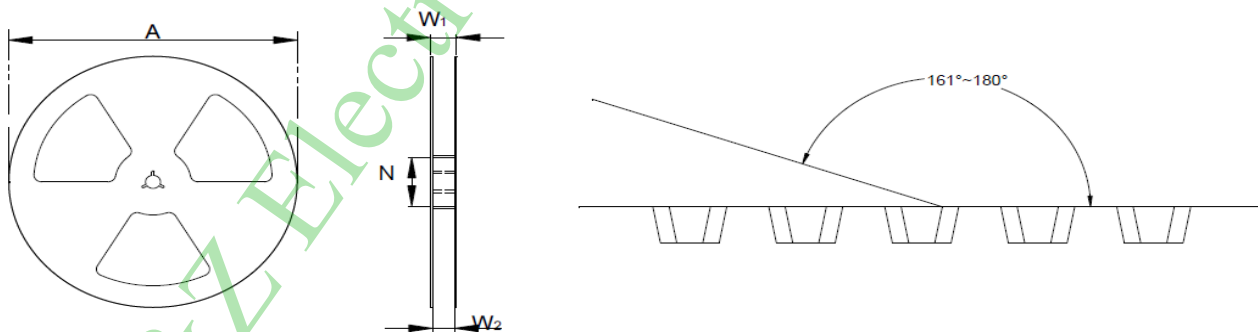
Packaging Dimensions(Unit:mm)

(1).Tape Packaging Dimensions



W	E	F	A ₀	B ₀	K ₀	T	P	P ₀	P ₂
44.00	20.20	1.75	14.50	21.00	17.70	0.50	32.00	4.00	2.00

(2).Reel Dimensions



A	N	W ₁	W ₂
330.0±2.0	100.0±2.0	5.4 Max	44.4±1.5

Tape width	Pull-of force
44.00 mm	0.2N~2.3N

(3). Packaging Quantity

PSPQ2016 Series:100/44" reel; Plastic tape: 44 mm wide,
0.5 mm thick, 21.0 mm pocket spacing, 17.7 mm pocket depth
Inner Carton: L:340mm * W:340mm * H:95mm
Out Carton: L:355mm * W:355mm * H:385mm