

PQ-K Series

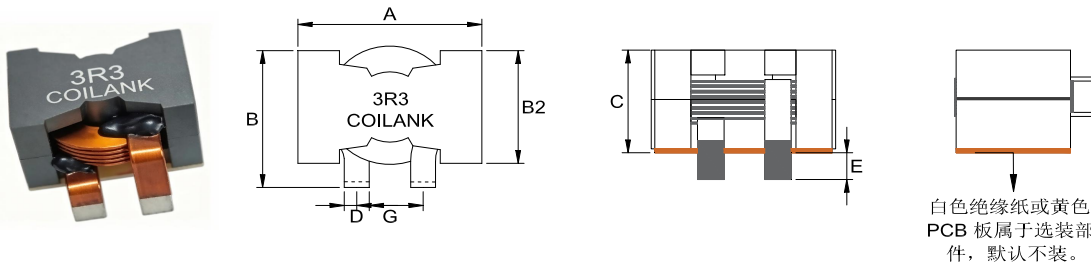
Features

- Assemblage design, sturdy structure.
- High inductance, high current, low magnetic loss, low ERS, small parasitic capacitance.
- Flat wire winding, achieve a low DCR.
- Temperature rise current and saturation current is less influenced by environment.
- Placement form is DIP.

Test Conditions

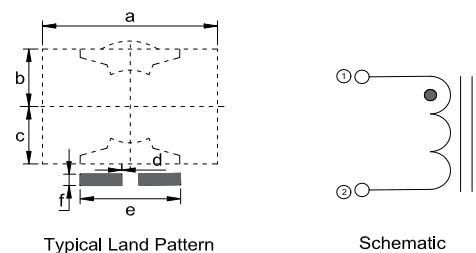
- All test data is referenced to 25°C ambient.
- Operating temperature range -25°C to +125°C. (Including self - temperature rise)
- Isat :DC current(A) that will cause Io to drop approximately 30%.
- Irms :DC current(A) that will cause an approximate ΔT of 40°C.
- The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions.
Circuit design, component placement, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature, part temperature should be verified in the end application.

External Dimensions (Unit:mm)



TYPE	A	B	B2	C	D	E	F	G	Q'TY/Reel
PQ3218	33.5Max	28.0±1.0	23Max	18.8Max	6.0±0.3	4.0±1.0	4.0Ref	12.0±1.0	196
PQ3220	33.5Max	28.0±1.0	23Max	20.5Max	6.0±0.3	4.0±1.0	4.0Ref	12.0±1.0	196
PQ3222	33.5Max	28.0±1.0	23Max	22.5Max	6.0±0.3	4.0±1.0	4.0Ref	12.0±1.0	196
PQ3225	33.5Max	28.0±1.0	23Max	25.5Max	6.0±0.3	4.0±1.0	4.0Ref	12.0±1.0	196
PQ3227	33.5Max	28.0±1.0	23Max	27.5Max	6.0±0.3	4.0±1.0	4.0Ref	12.0±1.0	196

a(Ref.)	b(Ref.)	c(Ref.)	d(Ref.)	e(Ref.)	f(Ref.)
33.0	13.5	17.2	5.5	19.5	1.5
33.0	13.5	17.2	5.5	19.5	1.5
33.0	13.5	17.2	5.5	19.5	1.5
33.0	13.5	17.2	5.5	19.5	1.5
33.0	13.5	17.2	5.5	19.5	1.5



Part Number Code

<u>PQ</u>	<u>3218</u>	<u>M</u>	<u>3R3</u>	<u>K</u>
Series Name	Dimensions: L*W*H	Tolerance 20%	Inductance	Internal Control

PQ-K Series

Part Number	Inductance (μ H) @100KHz/0.1V	DC Resistance (m Ω) Max.	Heat Rating Current I _{rms} (A)Typ.	Saturation Current I _{sat} (A)Typ.
PQ3218M3R3K	3.3	1.45	45	80
PQ3218M4R7K	4.7	1.45	45	72
PQ3218M5R0K	5	1.45	45	70
PQ3218M6R0K	6	1.45	45	55
PQ3218M6R8K	6.8	1.45	45	50
PQ3220M1R5K	1.5	0.6	80	130
PQ3222M100K	10	3	45	48
PQ3222M150K	15	3	45	44
PQ3225M100K	10	2.55	47	50
PQ3227M300K	30	3.55	40	26