

PQ-T Series

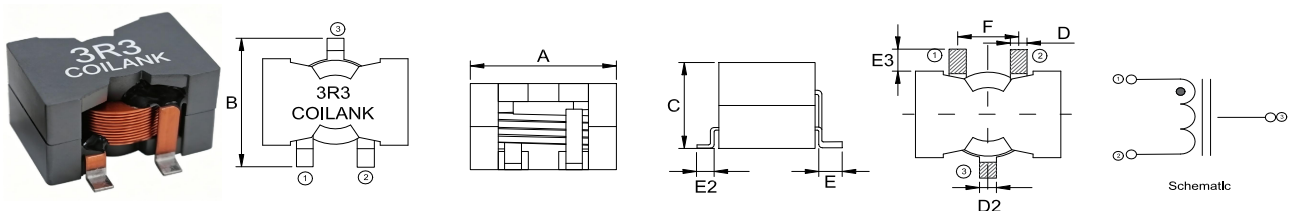
Features

- 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 SMD.

Test Conditions

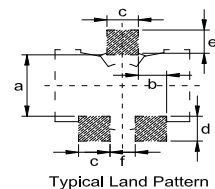
- All test data is referenced to 25°C ambient.
 - Operating temperature range -25°C to +125°C. (Including self - temperature rise)
 - Isat :DC current(A) that will cause Io to drop approximately 30%.
 - Irms :DC current(A) that will cause an approximate ΔT of 40°C.
 - The part temperature (ambient + 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	C	D	D2	E	E2	E3	F
PQ2014-T	21.8Max	Ref. Tab	14.5Max	2.5±0.2	2.5Ref.	3.0±1.0	2Ref	2.5-5.5	9.0±0.5

a(Ref.)	b(Ref.)	c(Ref.)	d(Ref.)	e(Ref.)	f(Ref.)	Q'TY/Reel
14.0	4.5	5.0	5.0	4.0	4.0	120



Part Number Code

<u>PQ</u>	<u>2014</u>	<u>M</u>	<u>R70</u>	<u>T</u>
Series Name	Dimensions: L*W*H	Tolerance M:20%	Inductance	Internal control

PQ-T 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.	Size B Max
PQ2014MR70T	0.7	0.91	32	75	22.5
PQ2014M1R4T	1.4	1.19	31.5	60	22.5
PQ2014M2R2T	2.2	1.65	28	52	22.5
PQ2014M3R1T	3.1	2.3	26	45	22.5
PQ2014M3R3T	3.3	2.3	26	40	22.5
PQ2014M4R2T	4.2	3.34	24	38	21.5
PQ2014M4R7T	4.7	3.35	24	32	21.5
PQ2014M5R5T	5.5	4.4	22	33	21.5
PQ2014M6R8T	6.8	6.2	21	30	21.5
PQ2014M7R0T	7	6.17	21	30	21.5
PQ2014M8R6T	8.6	7.91	17	25	21.5
PQ2014M100T	10	8.76	16	23	21.5
PQ2014M150T	15	9.57	14	21	21.5
PQ2014M220T	22	11.72	12.5	15	21.5
PQ2014M330T	33	12.54	12	11	21.5
PQ2014M470T	47	13.42	12	8.5	21.5