# PQ-C Series

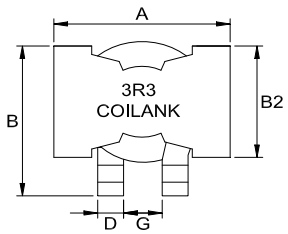
## Features

- Perfect for high current
- Extremely low DCR.
- Low voltage power supply applications.
- High power DC power supply
- Placement form is SMD

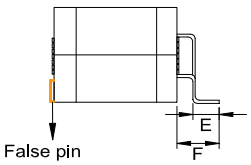
## Test Conditions

- All test data is referenced to 25℃ ambient.
- Operating temperature range -25℃ to +125℃.(Including self - temperature rise)
- Isat :DC current(A) that will cause lo to drop approximately 30%.
- Irms :DC current(A) that will cause an approximate△T of 40℃.
- The part temperature(ambient + temp rise)should not exceed 125℃ 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)

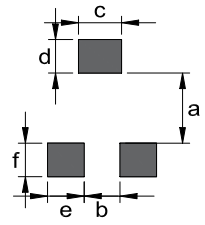





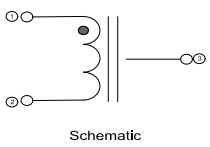



| TYPE | A Max | B Max | B2 Max | C Max | D Ref | E Min | F Ref | G | Q'TY/Reel |
|---|---|---|---|---|---|---|---|---|---|
| PQ2915-C | 27.9 | 27.9 | 19.5 | 15.4 | 3.8 | 3.8 | 6.2 | 6.6±0.5 | 280 |
| PQ2918-C | 27.9 | 27.9 | 19.5 | 17.8 | 3.8 | 3.8 | 6.2 | 6.6±0.5 | 280 |

| a(Ref.) | b(Ref.) | c(Ref.) | d(Ref.) | e(Ref.) | f(Ref.) |
|---|---|---|---|---|---|
| 16.6 | 4.8 | 6.35 | 5.5 | 5.5 | 6 |
| 16.6 | 4.8 | 6.35 | 5.5 | 5.5 | 6 |



Typical Land Pattern




## Part Number Code

| PQ | 2915 | M | 1R5 | C |
|---|---|---|---|---|
| Series Name | Dimensions: L*W*H | Tolerance 20% | Inductance | Internal control |

## PQ-C Series

| Part Number | Inductance (μH) @100KHz/0.1V | DC Resistance (mΩ) Max. | Heat Rating Current Irms (A)Typ. | Saturation Current Isat (A)Typ. |
|---|---|---|---|---|
| PQ2915M1R5C | 1.5 | 1.8 | 30 | >100 |
| PQ2915M2R2C | 2.2 | 1.8 | 30 | >100 |
| PQ2915M3R3C | 3.3 | 1.8 | 30 | 68.4 |
| PQ2915M4R7C | 4.7 | 1.8 | 30 | 50.1 |
| PQ2915M6R8C | 6.8 | 1.8 | 30 | 36.2 |
| PQ2915M100C | 10 | 1.8 | 30 | 23.4 |
| PQ2918M3R3C | 3.3 | 2.8 | 28 | 93.6 |
| PQ2918M4R7C | 4.7 | 2.8 | 28 | 62.4 |
| PQ2918M6R8C | 6.8 | 2.8 | 28 | 45.9 |
| PQ2918M100C | 10 | 2.8 | 28 | 32.1 |
| PQ2918M150C | 15 | 2.8 | 28 | 21.9 |
| PQ2918M220C | 22 | 2.8 | 28 | 15 |
| PQ2918M330C | 33 | 2.8 | 28 | 9.6 |