

FEATURES

- High frequency
- High Q
- High IDC

Available in 2 sizes:

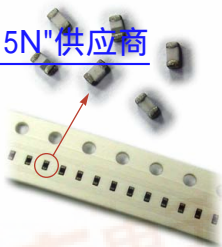
0603 for 1.0 nH to 220 nH

0402 for 1.0 nH to 120 nH

APPLICATIONS

查询"843002T15N"供应商

high frequency circuits
for portable telephone,
PHS, wireless
communication, etc.

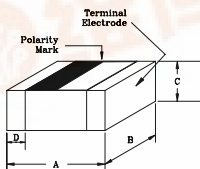


CONTENTS

PAGE

| | |
|-------------------------------|---|
| Mechanical & Schematic | 1 |
| Part Numbering | 1 |
| Electrical Specs - 0603 | 2 |
| Electrical Specs - 0402 | 3 |
| Environmental Characteristics | 4 |
| Packaging | 4 |

MECHANICAL AND SCHEMATIC (All dimensions in millimeters)

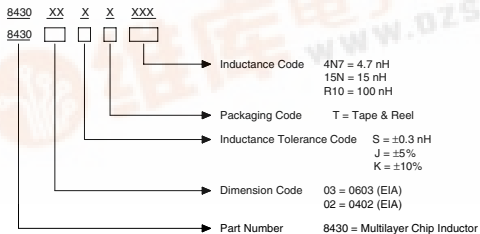


SCHEMATIC



| SIZE | Range (nH) | A | B | C | D |
|------|------------|----------|----------|----------|-----------|
| 0603 | 1.0 - 220 | 1.6±0.2 | 0.8±0.15 | 0.8±0.15 | 0.3±0.2 |
| 0402 | 1.0 - 120 | 1.0±0.15 | 0.5±0.15 | 0.5±0.15 | 0.25±0.15 |

PART NUMBERING



Continued

ELECTRICAL SPECIFICATIONS @ 25 °C

自研 843002JT15N 供应商

0603 Multilayer Chip Inductors

| Inductance (nH) | Tolerance | Q Min. | L/Q Test Frequency (MHz) | RDC (Ω MAX) | S.R.F. Typical (MHz) | IDC (mA MAX) |
|-----------------|-----------|--------|--------------------------|---------------------|----------------------|--------------|
| 1.0 | S | 8 | 100 | 0.10 | >17000 | 300 |
| 1.2 | S | 8 | 100 | 0.10 | >17000 | 300 |
| 1.5 | S | 8 | 100 | 0.10 | >17000 | 300 |
| 1.8 | S | 8 | 100 | 0.15 | 13000 | 300 |
| 2.2 | S | 8 | 100 | 0.15 | 12000 | 300 |
| 2.7 | S | 8 | 100 | 0.20 | 8600 | 300 |
| 3.3 | S, K | 8 | 100 | 0.25 | 6500 | 300 |
| 3.9 | S, K | 8 | 100 | 0.25 | 6300 | 300 |
| 4.7 | S, K | 8 | 100 | 0.30 | 5400 | 300 |
| 5.6 | S, K | 8 | 100 | 0.30 | 4600 | 300 |
| 6.8 | J, K | 8 | 100 | 0.35 | 4500 | 300 |
| 8.2 | J, K | 8 | 100 | 0.40 | 3800 | 300 |
| 10 | J, K | 8 | 100 | 0.45 | 3700 | 300 |
| 12 | J, K | 8 | 100 | 0.50 | 3200 | 300 |
| 15 | J, K | 8 | 100 | 0.55 | 2900 | 300 |
| 18 | J, K | 10 | 100 | 0.60 | 2100 | 300 |
| 22 | J, K | 10 | 100 | 0.65 | 2100 | 300 |
| 27 | J, K | 10 | 100 | 0.70 | 2000 | 300 |
| 33 | J, K | 10 | 100 | 0.80 | 1600 | 300 |
| 39 | J, K | 10 | 100 | 0.85 | 1500 | 300 |
| 47 | J, K | 12 | 100 | 1.00 | 1200 | 300 |
| 56 | J, K | 12 | 100 | 1.10 | 1100 | 300 |
| 68 | J, K | 12 | 100 | 1.20 | 1000 | 300 |
| 82 | J, K | 12 | 100 | 1.80 | 850 | 300 |
| 100 | J, K | 12 | 100 | 2.00 | 750 | 300 |
| 120 | J, K | 8 | 50 | 2.30 | 700 | 300 |
| 150 | J, K | 8 | 50 | 2.40 | 650 | 300 |
| 180 | J, K | 8 | 50 | 2.70 | 550 | 300 |
| 220 | J, K | 8 | 50 | 2.80 | 450 | 300 |



ELECTRICAL SPECIFICATIONS @ 25°C

查询"843002JT15N"供应商

0402 Multilayer Chip Inductors

| Inductance (nH) | Tolerance | Q Min. | L/Q Test Frequency (MHz) | RDC (Ω MAX) | S.R.F. Typical (MHz) | IDC (mA MAX) |
|-----------------|-----------|--------|--------------------------|---------------------|----------------------|--------------|
| 1.0 | S | 8 | 100 | 0.12 | >15000 | 300 |
| 1.2 | S | 8 | 100 | 0.12 | >15000 | 300 |
| 1.5 | S | 8 | 100 | 0.13 | >15000 | 300 |
| 1.8 | S | 8 | 100 | 0.14 | 14000 | 300 |
| 2.2 | S | 8 | 100 | 0.16 | 12000 | 300 |
| 2.7 | S | 8 | 100 | 0.17 | 9500 | 300 |
| 3.3 | S, K | 8 | 100 | 0.19 | 8500 | 300 |
| 3.9 | S, K | 8 | 100 | 0.22 | 7000 | 300 |
| 4.7 | S, K | 8 | 100 | 0.24 | 6000 | 300 |
| 5.6 | S, K | 8 | 100 | 0.27 | 5400 | 300 |
| 6.8 | J, K | 8 | 100 | 0.32 | 5000 | 250 |
| 8.2 | J, K | 8 | 100 | 0.40 | 4600 | 250 |
| 10 | J, K | 8 | 100 | 0.45 | 3700 | 250 |
| 12 | J, K | 8 | 100 | 0.50 | 3200 | 250 |
| 15 | J, K | 8 | 100 | 0.60 | 3100 | 250 |
| 18 | J, K | 8 | 100 | 0.65 | 2900 | 200 |
| 22 | J, K | 8 | 100 | 0.80 | 2100 | 200 |
| 27 | J, K | 8 | 100 | 0.90 | 1900 | 200 |
| 33 | J, K | 8 | 100 | 1.00 | 1600 | 200 |
| 39 | J, K | 8 | 100 | 1.20 | 1400 | 150 |
| 47 | J, K | 8 | 100 | 1.30 | 1200 | 150 |
| 56 | J, K | 8 | 100 | 2.00 | 1100 | 150 |
| 68 | J, K | 8 | 100 | 2.20 | 1000 | 100 |
| 82 | J, K | 8 | 100 | 2.50 | 900 | 100 |
| 100 | J, K | 8 | 100 | 2.50 | 850 | 100 |
| 120 | J, K | 8 | 50 | 2.50 | 750 | 100 |



