

Features

- Formerly **J.W. Miller**® model
- Current rating up to 6.33 A
- Inductance range: 10 µH to 18,000 µH
- RoHS compliant*

Applications

- DC/DC converters
- Power supplies
- Desktop notebooks
- Output chokes

6100 Series - Radial Lead RF Choke

Electrical Specifications (@ 25 °C)

| | Inductance | SRF | DCR | |
|--------------|-------------------|-------|-------|------|
| | (μH) ±10 % | (MHz) | (W) | ldc |
| Part Number | @ 100 kHz / 0.1 V | Тур. | Max. | (A) |
| 6100-100K-RC | 10 | 21.0 | 0.020 | 6.33 |
| 6100-120K-RC | 12 | 18.3 | 0.022 | 5.75 |
| 6100-150K-RC | 15 | 15.5 | 0.024 | 5.28 |
| 6100-180K-RC | 18 | 13.8 | 0.027 | 4.80 |
| 6100-220K-RC | 22 | 12.0 | 0.039 | 4.52 |
| 6100-270K-RC | 27 | 11.3 | 0.047 | 3.75 |
| 6100-330K-RC | 33 | 10.5 | 0.059 | 3.39 |
| 6100-390K-RC | 39 | 9.4 | 0.079 | 3.08 |
| 6100-470K-RC | 47 | 8.3 | 0.084 | 2.79 |
| 6100-560K-RC | 56 | 7.6 | 0.089 | 2.57 |
| 6100-680K-RC | 68 | 6.8 | 0.11 | 2.38 |
| 6100-820K-RC | 82 | 6.3 | 0.15 | 2.18 |
| 6100-101K-RC | 100 | 5.8 | 0.16 | 1.98 |
| 6100-121K-RC | 120 | 5.0 | 0.23 | 1.80 |
| 6100-151K-RC | 150 | 4.2 | 0.24 | 1.61 |
| 6100-181K-RC | 180 | 3.9 | 0.31 | 1.45 |
| 6100-221K-RC | 220 | 3.5 | 0.35 | 1.32 |
| 6100-271K-RC | 270 | 3.2 | 0.52 | 1.18 |
| 6100-331K-RC | 330 | 2.9 | 0.60 | 1.10 |
| 6100-391K-RC | 390 | 2.8 | 0.64 | 1.00 |
| 6100-471K-RC | 470 | 2.6 | 0.77 | 0.90 |
| 6100-561K-RC | 560 | 2.3 | 0.87 | 0.83 |
| 6100-681K-RC | 680 | 2.0 | 1.09 | 0.76 |
| 6100-821K-RC | 820 | 1.8 | 1.44 | 0.69 |
| 6100-102K-RC | 1000 | 1.6 | 1.55 | 0.62 |
| 6100-122K-RC | 1200 | 1.4 | 2.20 | 0.57 |
| 6100-152K-RC | 1500 | 1.3 | 2.50 | 0.51 |
| 6100-182K-RC | 1800 | 1.2 | 3.65 | 0.47 |
| 6100-222K-RC | 2200 | 1.1 | 4.26 | 0.42 |
| 6100-272K-RC | 2700 | 1.0 | 5.41 | 0.38 |
| 6100-332K-RC | 3300 | 1.0 | 5.63 | 0.35 |
| 6100-392K-RC | 3900 | 0.9 | 6.62 | 0.32 |
| 6100-472K-RC | 4700 | 0.8 | 8.23 | 0.29 |
| 6100-562K-RC | 5600 | 0.7 | 9.45 | 0.27 |
| 6100-682K-RC | 6800 | 0.6 | 13.2 | 0.24 |
| 6100-822K-RC | 8200 | 0.5 | 16.0 | 0.22 |
| 6100-103K-RC | 10,000 | 0.5 | 19.3 | 0.20 |
| 6100-123K-RC | 12,000 | 0.4 | 23.2 | 0.19 |
| 6100-153K-RC | 15,000 | 0.3 | 30.4 | 0.17 |
| 6100-183K-RC | 18,000 | 0.3 | 34.1 | 0.16 |

General Specifications

Rated Current......Inductance drop 5 % typical at I dc

Operating Temperature

.....-40 °C to +125 °C

Storage Temperature

.....-40 °C to +125 °C

Materials

| Core Material | Ferrite |
|------------------|-----------------|
| Wire | Enameled copper |
| Terminal Coating | Sn |

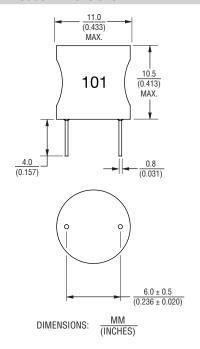
Marking

......Value code on side of inductor

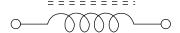
Packaging

Standard......160 pcs. per tray

Product Dimensions



Electrical Schematic



How To Order

Model ______Value Code (see table) ______

Example: 6100-562K-RC = 5600 µH, ±10 %



WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

REV. 04/20

*RoHS Directive 2015/863, Mar 31, 2015 and Annex. Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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