

| | | DT0703 | | | | DT1351 | | | | Significant Digit |
|------|--------|------------------|-------------------------------|---------|---------------------|------------------|-------------------------------|---------|---------------------|-------------------|
| L1 | Suffix | DCR ² | I _{AVE} ³ | Storage | Tolerance | DCR ² | I _{AVE} ³ | Storage | Tolerance | Dot Code |
| μH | Codes | W | Α | mJ | Suffix ⁴ | W | Α | mJ | Suffix ⁴ | 1st 2nd 3rd |
| 1.0 | 1R0 | 0.045 | 2.00 | 1.80 | M | 0.025 | 5.00 | 9.00 | М | BRN BLK RED |
| 1.5 | 1R5 | 0.050 | 1.90 | 1.80 | M | 0.030 | 5.00 | 12.00 | М | BRN GRN RED |
| 2.2 | 2R2 | 0.060 | 1.50 | 1.80 | M | 0.035 | 5.00 | 15.00 | М | RED RED RED |
| 3.3 | 3R3 | 0.070 | 1.20 | 1.40 | M | 0.040 | 5.00 | 16.00 | М | ORG ORG RED |
| 4.7 | 4R7 | 0.080 | 1.20 | 1.60 | M | 0.045 | 3.00 | 10.00 | М | YEL VIO RED |
| 6.8 | 6R8 | 0.085 | 1.00 | 1.90 | M | 0.050 | 2.50 | 14.00 | М | BLU GRY RED |
| 10 | 100 | 0.095 | 0.70 | 1.20 | M | 0.055 | 2.00 | 11.00 | М | BRN BLK ORG |
| 15 | 150 | 0.135 | 0.60 | 1.10 | M | 0.060 | 1.80 | 12.00 | М | BRN GRN ORG |
| 22 | 220 | 0.160 | 0.50 | 1.20 | M | 0.084 | 1.50 | 11.00 | М | RED RED ORG |
| 33 | 330 | 0.275 | 0.45 | 1.50 | M | 0.090 | 1.30 | 13.00 | М | ORG ORG ORG |
| 47 | 470 | 0.420 | 0.34 | 1.30 | M | 0.110 | 1.00 | 13.00 | М | YEL VIO ORG |
| 68 | 680 | 0.575 | 0.29 | 1.40 | M | 0.150 | 0.90 | 17.00 | М | BLU GRY ORG |
| 100 | 101 | 1.100 | 0.24 | 1.50 | M | 0.290 | 0.80 | 15.00 | М | BRN BLK YEL |
| 150 | 151 | 1.400 | 0.20 | 1.40 | M | 0.360 | 0.60 | 15.00 | М | BRN GRN YEL |
| 220 | 221 | 2.250 | 0.17 | 1.60 | М | 0.390 | 0.50 | 10.00 | М | RED RED YEL |
| 330 | 331 | 3.500 | 0.16 | 1.40 | M | 0.730 | 0.40 | 13.00 | М | ORG ORG YEL |
| 470 | 471 | 4.100 | 0.14 | 1.50 | M | 0.880 | 0.35 | 13.00 | М | YEL VIO YEL |
| 680 | 681 | 7.200 | 0.12 | 1.40 | М | 1.150 | 0.30 | 13.00 | М | BLU GRY YEL |
| 1000 | 102 | 8.500 | 0.08 | 1.40 | M | 1.450 | 0.25 | 13.00 | М | BRN BLK GRN |

1) Tested at 100kHz, 100mVrms @20°C.

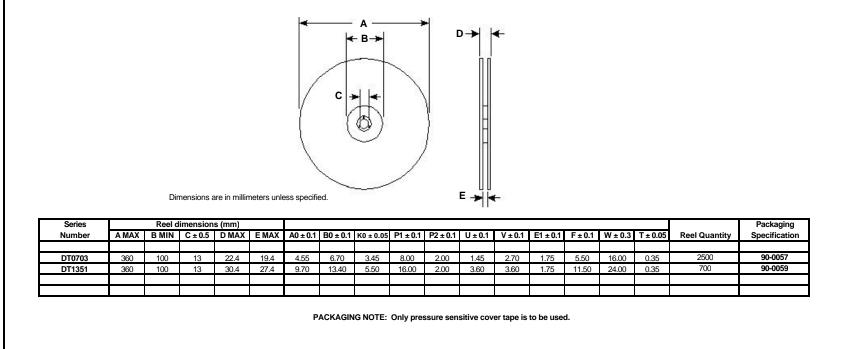
2) DCRs (DC resistances) are maximums @20°C.

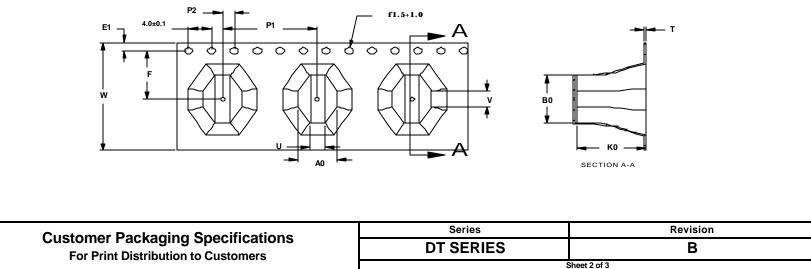
3) Average maximum allowable current. Spikes as high as 2X the current rating.

4) Tolerance of $M = \pm 20\%$.

Specifications subject to change without notice

Call Toll Free: 888-978-2638 Website: www.coev.net





| Environmental Static Humidity After exposure part remains within specified electrical parameters for L, Q and DCR. Expose parts to an environment of +50°C with 90 t 100 hours. After exposure, allow parts to dry for measurements are taken. Storage Life After exposure part remains within specified electrical parameters for L, Q and DCR. Subject parts to an environment of +50°C 90 to 100 50 hours. After exposure, allow parts to dry for 2 measurements are taken. Moisture Resistance After exposure, part shall not have a shorted or open winding. Per MIL-STD 202 Method 106, ten 24 hour cycles a +65°C at 80 to 95% R.H. During any of the first 9 are revolved from the chamber and exposed to -10. Allow parts to dry for 2 hours before measurement Temperature Cycle After exposure part remains within specified electrical parameters for L, Q and DCR. D cycles (Air to Air) 1 cycle shall consist of: 30 minutes exposure to -45°C 15 seconds maximum transition between temperat 30 minutes exposure to -45°C 15 seconds maximum transition between temperat 30 minutes exposure to -125°C 15 seconds maximum transition between temperat 90 cylic to +85°C C General After exposure part remains within specified electrical parameters for L, Q and DCR. Inductors shall be randomly vibrated per NAVMAT profile. Samples shall be subjected to 0.043/Hz for minimum of 15 minutes per ax | 2 hours before 0% R.H. for 46 to 2 hours before at +25°C to cycles, inductors 0°C for 3 hours. | | | | |
|---|---|--|--|--|--|
| within specified electrical parameters for L, Q and DCR.100 hours. After exposure, allow parts to dry for measurements are taken.Storage LifeAfter exposure part remains within specified electrical parameters for L, Q and DCR.Subject parts to an environment of +50°C 90 to 100 subject parts to an environment of +50°C 90 to 100 subject parts to an environment of +50°C 90 to 100 subject parts to an environment of +50°C 90 to 100 subject parts to an environment of +50°C 90 to 100 subject parts to an environment of +50°C 90 to 100 subject parts to an environment of +50°C 90 to 100 subject parts to an environment of +50°C 90 to 100 subject parts to an environment of +50°C 90 to 100 subject parts to an environment of +50°C 90 to 100 subject parts to an environment of +50°C 90 to 100 subject parts to an environment of +50°C 90 to 100 | 2 hours before 0% R.H. for 46 to 2 hours before at +25°C to cycles, inductors 0°C for 3 hours. | | | | |
| within specified electrical parameters for L, Q and DCR. 50 hours. After exposure, allow parts to dry for 2 measurements are taken. Moisture Resistance After exposure, part shall not have a shorted or open winding. 50 hours. After exposure, allow parts to dry for 2 measurements are taken. Temperature Cycle After exposure part remains within specified electrical parameters for L, Q and DCR. Per MIL-STD 202 Method 106, ten 24 hour cycles are revolved from the chamber and exposed to -11 Allow parts to dry for 2 hours before measurement Temperature Cycle After exposure part remains within specified electrical parameters for L, Q and DCR. 90 minutes exposure to -40°C Allow 20 minutes exposure to -40°C Allow 20 minutes exposure to -40°C Allow 20 minutes exposure to -41°C and mutes transition between extremes. Temperature Shock After exposure part remains within specified electrical parameters for L, Q and DCR. 10 cycles (Air to Air) 1 cycle shall consist of: 30 minutes exposure to -40°C Allow 20 minutes exposure to +45°C at 5 seconds maximum transition between temperat General Storage Temperature Range -40°C to +85°C Flammability IEC 695-2-2 Withstands needle-flame test Other Vibration After exposure part remains within specified electrical parameters for L, Q and DCR. Inductors shall be randomly vibrated per NAVMAT profile. Samples shall be subjected to 0.042/Hz for minimum of 15 minutes per axis, for each of the the mounted samples 3 axes, 6 times, totaling 18 shoc (50Gs, 11ms, half-sine). | 2 hours before at +25°C to cycles, inductors 0°C for 3 hours. | | | | |
| have a shorted or open winding.+65°C at 80 to 95% R.H. During any of the first 9- are revolved from the chamber and exposed to -11 Allow parts to dry for 2 hours before measuremen 10 cycles (Air to Air) 1 cycle shall consist of: 30 minutes exposure to -40°C Allow 20 minutes transition between extremes.Temperature ShockAfter exposure part remains within specified electrical parameters for L, Q and DCR.10 cycles (Air to Air) 1 cycle shall consist of: 30 minutes exposure to -40°C Allow 20 minutes transition between extremes.Temperature ShockAfter exposure part remains within specified electrical parameters for L, Q and DCR.10 cycles (Air to Air) 1 cycle shall consist of: 30 minutes exposure to -45°C 30 minutes exposure to -45°C 30 minutes exposure to -412°C 15 seconds maximum transition between temperatGeneral Storage Temperature Range-40°C to +85°C -40°C to +85°C30 minutes exposure to -412°C 30 minutes exposure to -412°C 15 seconds maximum transition between temperatOther VibrationIEC 695-2-2Withstands needle-flame testOther VibrationAfter exposure part remains within specified electrical parameters for L, Q and DCR.Inductors shall be randomly vibrated per NAVMAT | cycles, inductors 0°C for 3 hours. | | | | |
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| within specified electrical parameters for L, Q and DCR. 30 minutes exposure to -45°C 30 minutes exposure to +125°C 15 seconds maximum transition between temperat General Storage Temperature Range -40°C to +85°C Operating Temperature Range -40°C to +85°C Flammability IEC 695-2-2 Withstands needle-flame test Other Vibration After exposure part remains within specified electrical parameters for L, Q and DCR. Mechanical Shock After exposure part remains within specified electrical parameters for L, Q and DCR. Mechanical Shock After exposure part remains within specified electrical parameters for L, Q and DCR. Solderability Wetting shall cover 90% minimum Dip pads in RMA flux, 63/37 solder (Sn/Pb) at 232' | | | | | |
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| Other Vibration After exposure part remains within specified electrical parameters for L, Q and DCR. Inductors shall be randomly vibrated per NAVMAT profile. Samples shall be subjected to 0.04G/Hz for minimum of 15 minutes per axis, for each of the th Mechanical Shock After exposure part remains within specified electrical parameters for L, Q and DCR. Test per MIL-STD 202 method 213 test condition A mounted samples 3 axes, 6 times, totaling 18 shoc (50Gs, 11ms, half-sine). Solderability Wetting shall cover 90% minimum Dip pads in RMA flux, 63/37 solder (Sn/Pb) at 2324 | | | | | |
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| | | | | | |
| of each termination ±2 seconds. | °C for 5 seconds | | | | |
| Component Adhesion 4 pounds Apply and measure force with a digital force gaug (Push Test) | Apply and measure force with a digital force gauge set. | | | | |
| Resistance to SolventNo sign of degradation inWithstands 6 minutes of alcohol.appearance or marking detail.Withstands 3 minutes forced spray Freon TMS | | | | | |
| Load LifeAfter exposure, part shall not have a shorted or open winding.Parts to be stored at 110°C for 1000 hours with ra applied. Parts to be tested at: start, 500 and 1000 2 hours at room temperature before testing. | | | | | |
| Coving 1 | | | | | |
| Series | 0 hours. Allow | | | | |
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