

SMD INDUCTOR DR354-0 SERIES

Features

- SMD 0402 Chip Inductor, Low Profile
- Suitable for High Frequency Application
- Inductance Range from 1.0nH to 68nH
- Operating Temp. -40°C to +125°C
- Tinned Leads with Leaded Solder is Available (note 4)



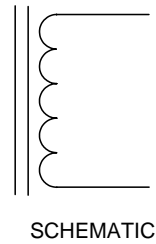
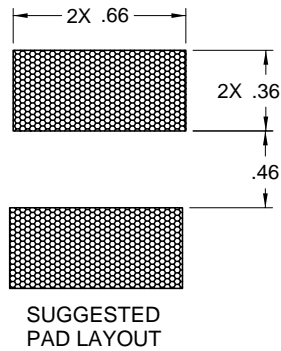
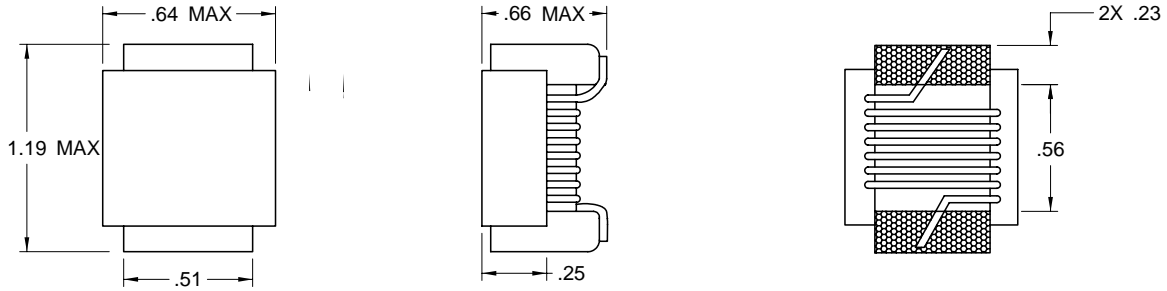
ELECTRICAL SPECIFICATIONS AT 25°C

| Part Number | L(nH) @250MHz | Tolerance | Q Min. | 900MHz | | 1.7GHz | | SRF (GHz) Min. | DCR (Ohm) Max. | Idc (mA) Max. |
|---------------|------------------|-----------|-----------|--------|--------|--------|--------|----------------------|----------------------|---------------------|
| | | | | L Typ. | Q Typ. | L Typ. | Q Typ. | | | |
| DR354-0-102 | 1.0 | S | 16 | 1.07 | 77 | 1.02 | 69 | 7.0 | 0.054 | 1360 |
| DR354-0-202 | 2.0 | S | 16 | 1.93 | 54 | 1.93 | 75 | 7.0 | 0.084 | 1040 |
| DR354-0-222 | 2.2 | S | 19 | 2.19 | 59 | 2.23 | 100 | 7.0 | 0.084 | 960 |
| DR354-0-272 | 2.7 | S | 19 | 2.94 | 50 | 2.96 | 75 | 7.0 | 0.095 | 840 |
| DR354-0-332 | 3.3 | S | 19 | 3.10 | 65 | 3.12 | 87 | 7.0 | 0.079 | 840 |
| DR354-0-392 | 3.9 | S | 19 | 3.56 | 45 | 3.62 | 71 | 6.0 | 0.079 | 840 |
| DR354-0-522-T | 5.2 | J,K | 20 | 5.15 | 56 | 5.25 | 82 | 4.7 | 0.120 | 640 |
| DR354-0-562-T | 5.6 | J,K | 20 | 5.16 | 54 | 5.28 | 81 | 4.8 | 0.099 | 760 |
| DR354-0-682-T | 6.8 | J,K | 20 | 6.56 | 63 | 6.93 | 78 | 4.8 | 0.099 | 680 |
| DR354-0-822-T | 8.2 | J,K | 21 | 8.50 | 57 | 8.85 | 84 | 4.4 | 0.136 | 680 |
| DR354-0-103-T | 10 | G,J,K | 21 | 9.80 | 50 | 10.10 | 67 | 3.9 | 0.240 | 480 |
| DR354-0-123-T | 12 | G,J,K | 24 | 11.9 | 53 | 12.70 | 71 | 3.6 | 0.168 | 640 |
| DR354-0-153-T | 15 | G,J,K | 24 | 14.6 | 55 | 15.50 | 77 | 3.3 | 0.204 | 560 |
| DR354-0-183-T | 18 | G,J,K | 24 | 18.3 | 57 | 20.28 | 62 | 3.1 | 0.276 | 420 |
| DR354-0-223-T | 22 | G,J,K | 24 | 23.2 | 53 | 26.75 | 53 | 2.8 | 0.360 | 400 |
| DR354-0-273-T | 27 | G,J,K | 24 | 28.7 | 49 | 33.50 | 63 | 2.5 | 0.360 | 400 |
| DR354-0-333-T | 33 | G,J,K | 24 | 34.9 | 31 | 41.74 | 32 | 2.4 | 0.450 | 400 |
| DR354-0-393-T | 39 | G,J,K | 25 | 41.7 | 47 | 50.23 | 45 | 2.1 | 0.660 | 200 |
| DR354-0-433-T | 43 | G,J,K | 25 | 45.8 | 46 | 61.55 | 34 | 2.0 | 0.744 | 175 |
| DR354-0-473-T | 47 | G,J,K | 20 | 50.0 | 38 | - | - | 2.1 | 0.792 | 175 |
| DR354-0-563-T | 56 | G,J,K | 22 | 62.8 | 42 | - | - | 1.8 | 0.780 | 175 |
| DR354-0-683-T | 68 | G,J,K | 22 | 78.19 | 36 | - | - | 1.6 | 0.912 | 150 |

INDUCTANCE TOLERANCE: WHEN ORDERING, PLEASE SPECIFY THE TOLERANCE.

T (K=±10%, J=±5%, G=±2%, S=±0.3nH)

MECHANICAL OUTLINES



Notes:

1. All dimensions are shown in millimeter "mm"
2. General tolerance $\pm 0.3\text{mm}$, unless other specified
3. Tape and reel quantity, 8000 pcs/reel
4. For non-RoHS parts replace DR prefix with 42- (e.g. DR354-0 becomes 42-354-0)
5. Terminal finish is compliant to RoHS requirements. Solder in accordance with J-STD-020C.