


**DR366-2 Series Radial Leaded Shielded Inductors**
**Features**

- Height: 9.8mm Max
- Inductance Range: 2.2 $\mu$ H – 1.5mH
- Non-RoHS Versions are Available (Note 4)
- Meets UL 94V-0

**ELECTRICAL SPECIFICATIONS AT 25°C**
**OPERATING TEMPERATURE -20°C to +80°C**

| Part Number | Inductance ( $\mu$ H)<br>@1kHz | Q Min. | Q Test Freq. | SRF<br>(MHz) Ref. | DCR ( $\Omega$ )<br>Max. | Rated Current<br>(A) Max. I sat | Rated Current<br>(A) Max. I rms |
|-------------|--------------------------------|--------|--------------|-------------------|--------------------------|---------------------------------|---------------------------------|
| DR366-2-222 | 2.2                            | 10     | 7.96MHz      | 60                | 0.011                    | 5.50                            | 4.00                            |
| DR366-2-332 | 3.3                            | 10     | 7.96MHz      | 38                | 0.013                    | 3.80                            | 3.40                            |
| DR366-2-472 | 4.7                            | 10     | 7.96MHz      | 30                | 0.017                    | 3.70                            | 3.00                            |
| DR366-2-682 | 6.8                            | 10     | 7.96MHz      | 24                | 0.023                    | 2.80                            | 2.60                            |
| DR366-2-103 | 10                             | 20     | 2.52MHz      | 19                | 0.031                    | 2.50                            | 2.20                            |
| DR366-2-153 | 15                             | 20     | 2.52MHz      | 15                | 0.042                    | 2.00                            | 1.90                            |
| DR366-2-223 | 22                             | 20     | 2.52MHz      | 12                | 0.07                     | 1.60                            | 1.50                            |
| DR366-2-333 | 33                             | 20     | 2.52MHz      | 10                | 0.092                    | 1.30                            | 1.20                            |
| DR366-2-473 | 47                             | 20     | 2.52MHz      | 8.2               | 0.13                     | 1.10                            | 1.00                            |
| DR366-2-683 | 68                             | 20     | 2.52MHz      | 6.6               | 0.16                     | 0.91                            | 0.97                            |
| DR366-2-104 | 100                            | 15     | 796kHz       | 5.4               | 0.23                     | 0.75                            | 0.81                            |
| DR366-2-154 | 150                            | 15     | 796kHz       | 4.3               | 0.4                      | 0.60                            | 0.61                            |
| DR366-2-224 | 220                            | 15     | 796kHz       | 3.5               | 0.53                     | 0.50                            | 0.53                            |
| DR366-2-334 | 330                            | 15     | 796kHz       | 2.8               | 0.78                     | 0.41                            | 0.44                            |
| DR366-2-474 | 470                            | 10     | 796kHz       | 2.3               | 1.0                      | 0.34                            | 0.39                            |
| DR366-2-684 | 680                            | 10     | 796kHz       | 1.9               | 1.5                      | 0.28                            | 0.32                            |
| DR366-2-105 | 1000                           | 20     | 252kHz       | 1.5               | 2.2                      | 0.23                            | 0.26                            |
| DR366-2-155 | 1500                           | 30     | 252kHz       | 1.2               | 3.5                      | 0.18                            | 0.21                            |

**NOTES:**

- 1.) All dimensions are in inches/mm
- 2.) Tolerance: .012/0.30
- 3.) DR366-2-222 to DR366-2-682 inductance tolerance is  $\pm 20\%$ ,  
DR366-2-103 to DR366-2-155 inductance tolerance is  $\pm 10\%$
- 4.) For non-RoHS parts, replace DR prefix with 42- (e.G. DR366-2-473 becomes 42-366-2-473)
- 5.) Terminal finish is compliant to RoHS requirements
- 6.) Isat is the current level when the inductance drops 20% from its initial value
- 7.) Irms is the current level when the part reaches a temperature rise of 25°C



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**MECHANICAL OUTLINE**

