

## RDR1014 SERIES ~ Through Hole Power Inductors



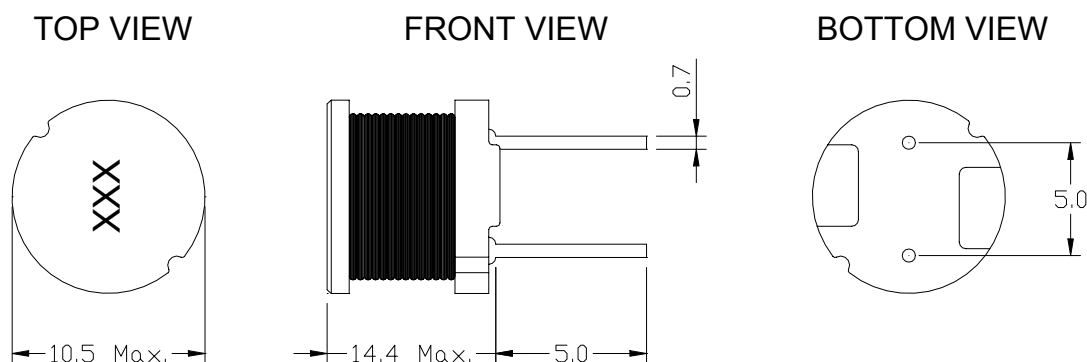
RoHS Compliant

### PART NUMBERING SYSTEM

|            |                |   |                |   |           |
|------------|----------------|---|----------------|---|-----------|
| <b>RDR</b> | <b>1 0 1 4</b> | — | <b>1 0 2 K</b> | — | <b>LF</b> |
| TYPE       | DIMENSIONS     |   | INDUCTANCE     |   | LEAD FREE |

### SHAPES AND DIMENSIONS

UNIT : mm



### SPECIFICATION TABLE

| PART NUMBER     | INDUCTANCE<br>( $\mu$ H) | DCR ( $\Omega$ )<br>(Max.) | IDC ( A )<br>(Max.) | TEST FREQ.<br>( f ) |
|-----------------|--------------------------|----------------------------|---------------------|---------------------|
| RDR1014-6R3M-LF | 6.3 $\pm$ 20%            | 0.026                      | 4.3                 | 7.96MHz             |
| RDR1014-7R5M-LF | 7.5 $\pm$ 20%            | 0.029                      | 4.2                 | 7.96MHz             |
| RDR1014-8R8M-LF | 8.8 $\pm$ 20%            | 0.030                      | 4.1                 | 7.96MHz             |
| RDR1014-100K-LF | 10 $\pm$ 10%             | 0.033                      | 4.0                 | 1KHz                |
| RDR1014-120K-LF | 12 $\pm$ 10%             | 0.035                      | 3.9                 | 1KHz                |
| RDR1014-150K-LF | 15 $\pm$ 10%             | 0.039                      | 3.7                 | 1KHz                |
| RDR1014-180K-LF | 18 $\pm$ 10%             | 0.047                      | 3.5                 | 1KHz                |
| RDR1014-220K-LF | 22 $\pm$ 10%             | 0.051                      | 3.3                 | 1KHz                |
| RDR1014-270K-LF | 27 $\pm$ 10%             | 0.057                      | 3.1                 | 1KHz                |
| RDR1014-330K-LF | 33 $\pm$ 10%             | 0.064                      | 2.9                 | 1KHz                |
| RDR1014-390K-LF | 39 $\pm$ 10%             | 0.074                      | 2.7                 | 1KHz                |
| RDR1014-470K-LF | 47 $\pm$ 10%             | 0.083                      | 2.5                 | 1KHz                |
| RDR1014-560K-LF | 56 $\pm$ 10%             | 0.104                      | 2.3                 | 1KHz                |
| RDR1014-680K-LF | 68 $\pm$ 10%             | 0.117                      | 2.1                 | 1KHz                |
| RDR1014-820K-LF | 82 $\pm$ 10%             | 0.130                      | 1.9                 | 1KHz                |

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|-----------------|--------------------------|----------------------------|---------------------|---------------------|
| RDR1014-101K-LF | 100 $\pm$ 10%            | 0.143                      | 1.7                 | 1KHz                |
| RDR1014-121K-LF | 120 $\pm$ 10%            | 0.195                      | 1.5                 | 1KHz                |
| RDR1014-151K-LF | 150 $\pm$ 10%            | 0.221                      | 1.4                 | 1KHz                |
| RDR1014-181K-LF | 180 $\pm$ 10%            | 0.260                      | 1.3                 | 1KHz                |
| RDR1014-221K-LF | 220 $\pm$ 10%            | 0.350                      | 1.2                 | 1KHz                |
| RDR1014-271K-LF | 270 $\pm$ 10%            | 0.390                      | 1.1                 | 1KHz                |
| RDR1014-331K-LF | 330 $\pm$ 10%            | 0.520                      | 1.0                 | 1KHz                |
| RDR1014-391K-LF | 390 $\pm$ 10%            | 0.570                      | 0.92                | 1KHz                |
| RDR1014-471K-LF | 470 $\pm$ 10%            | 0.650                      | 0.84                | 1KHz                |
| RDR1014-561K-LF | 560 $\pm$ 10%            | 0.790                      | 0.75                | 1KHz                |
| RDR1014-681K-LF | 680 $\pm$ 10%            | 0.960                      | 0.69                | 1KHz                |
| RDR1014-821K-LF | 820 $\pm$ 10%            | 1.22                       | 0.62                | 1KHz                |
| RDR1014-102K-LF | 1000 $\pm$ 10%           | 1.60                       | 0.52                | 1KHz                |
| RDR1014-122K-LF | 1200 $\pm$ 10%           | 2.20                       | 0.46                | 1KHz                |
| RDR1014-152K-LF | 1500 $\pm$ 10%           | 2.50                       | 0.41                | 1KHz                |
| RDR1014-182K-LF | 1800 $\pm$ 10%           | 2.90                       | 0.36                | 1KHz                |
| RDR1014-222K-LF | 2200 $\pm$ 10%           | 3.20                       | 0.32                | 1KHz                |
| RDR1014-272K-LF | 2700 $\pm$ 10%           | 3.70                       | 0.29                | 1KHz                |
| RDR1014-332K-LF | 3300 $\pm$ 10%           | 5.00                       | 0.27                | 1KHz                |
| RDR1014-392K-LF | 3900 $\pm$ 10%           | 5.60                       | 0.25                | 1KHz                |
| RDR1014-472K-LF | 4700 $\pm$ 10%           | 7.40                       | 0.23                | 1KHz                |
| RDR1014-562K-LF | 5600 $\pm$ 10%           | 8.20                       | 0.21                | 1KHz                |
| RDR1014-682K-LF | 6800 $\pm$ 10%           | 11.9                       | 0.19                | 1KHz                |
| RDR1014-822K-LF | 8200 $\pm$ 10%           | 14.0                       | 0.17                | 1KHz                |
| RDR1014-103K-LF | 10000 $\pm$ 10%          | 16.0                       | 0.16                | 1KHz                |
| RDR1014-123K-LF | 12000 $\pm$ 10%          | 21.0                       | 0.15                | 1KHz                |
| RDR1014-153K-LF | 15000 $\pm$ 10%          | 24.0                       | 0.14                | 1KHz                |
| RDR1014-183K-LF | 18000 $\pm$ 10%          | 27.0                       | 0.13                | 1KHz                |
| RDR1014-223K-LF | 22000 $\pm$ 10%          | 34.0                       | 0.12                | 1KHz                |
| RDR1014-273K-LF | 27000 $\pm$ 10%          | 39.0                       | 0.11                | 1KHz                |
| RDR1014-333K-LF | 33000 $\pm$ 10%          | 51.0                       | 0.10                | 1KHz                |
| RDR1014-393K-LF | 39000 $\pm$ 10%          | 58.0                       | 0.09                | 1KHz                |

1. Operating temperature range -40°C to +85°C
2. Electrical specifications at 25°C