

## NRSE Series

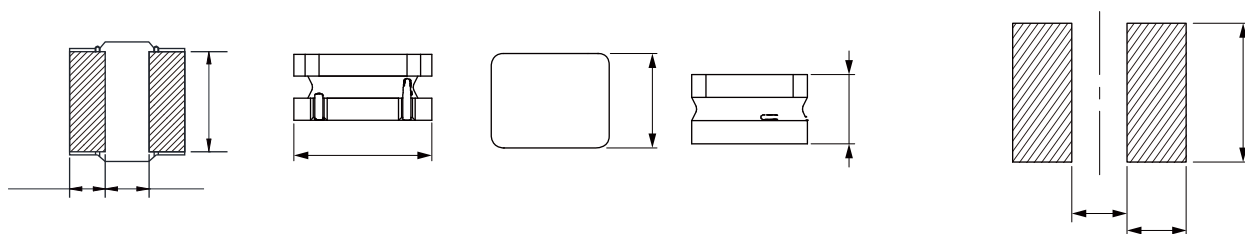


### CHARACTERISTICS

- Magnetic resin for higher current and semi-magnetically shielded
- Quantity: 2000pcs

### APPLICATION

- DC/DC converter
- LC filter

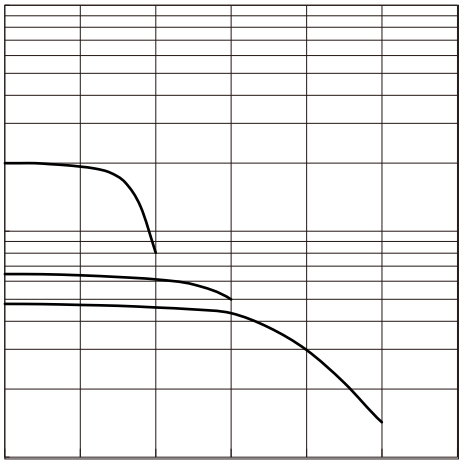


|               | ( $\mu$ H) |            |      |      | Saturation | Saturation | (m $\Omega$ ) | (m $\Omega$ ) |
|---------------|------------|------------|------|------|------------|------------|---------------|---------------|
| NRSE2016-R24M | 0.24       | $\pm 20\%$ | 3.10 | 2.80 | 4.10       | 3.70       | 33.0          | 40.0          |
| NRSE2016-R33M | 0.33       | $\pm 20\%$ | 2.90 | 2.40 | 3.70       | 3.00       | 41.0          | 48.0          |
| NRSE2016-R47M | 0.47       | $\pm 20\%$ | 2.60 | 2.30 | 2.85       | 2.30       | 50.0          | 60.0          |
| NRSE2016-R68M | 0.68       | $\pm 20\%$ | 2.20 | 2.00 | 2.45       | 1.95       | 63.0          | 76.0          |
| NRSE2016-1R0M | 1.00       | $\pm 20\%$ | 1.60 | 1.45 | 1.85       | 1.65       | 96.0          | 114           |
| NRSE2016-1R5M | 1.50       | $\pm 20\%$ | 1.20 | 1.10 | 1.65       | 1.35       | 145           | 174           |
| NRSE2016-2R2M | 2.20       | $\pm 20\%$ | 1.15 | 1.05 | 1.45       | 1.20       | 215           | 265           |
| NRSE2016-3R3M | 3.30       | $\pm 20\%$ | 0.95 | 0.85 | 1.20       | 1.00       | 290           | 345           |
| NRSE2016-4R7M | 4.70       | $\pm 20\%$ | 0.80 | 0.70 | 0.90       | 0.75       | 400           | 480           |
| NRSE2016-6R8M | 6.80       | $\pm 20\%$ | 0.60 | 0.55 | 0.85       | 0.70       | 610           | 800           |
| NRSE2016-8R2M | 8.20       | $\pm 20\%$ | 0.60 | 0.53 | 0.78       | 0.68       | 730           | 940           |
| NRSE2016-100M | 10.0       | $\pm 20\%$ | 0.60 | 0.50 | 0.70       | 0.65       | 800           | 1000          |
| NRSE2016-120M | 12.0       | $\pm 20\%$ | 0.42 | 0.36 | 0.70       | 0.62       | 1100          | 1430          |
| NRSE2016-150M | 15.0       | $\pm 20\%$ | 0.38 | 0.30 | 0.56       | 0.50       | 1300          | 1700          |
| NRSE2016-220M | 22.0       | $\pm 20\%$ | 0.36 | 0.30 | 0.38       | 0.32       | 1400          | 1700          |

Operating temperature : -40 °C ~ +125 °C

Temperature rise current: the actual value of DC current when the temperature rise is  $\Delta T 40^{\circ}\text{C}$

Saturation Current that will cause initial inductance to drop approximately 30%



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