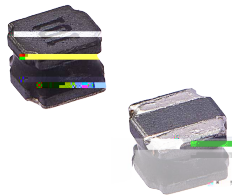


# NRSE Series

## SMD Shielded Tiny Power Inductor

### Size 4030



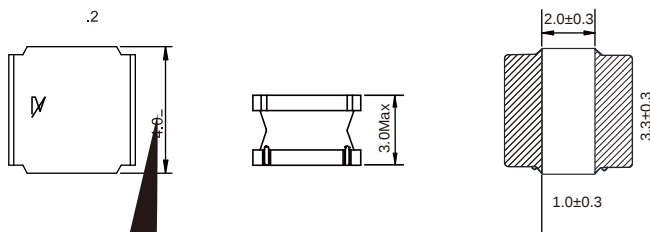
#### CHARACTERISTICS

- Magnetic resin for higher current and semi-magnetically shielded
- Different sizes from 2mm to 8mm in square shape
- Quantity: 2000pcs

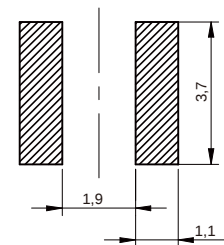
#### APPLICATION

- DC/DC converter
- LC filter

#### Dimensions: [mm]



#### Land Pattern: [mm]



#### Electrical Properties:

| Part No.      | Inductance<br>@100KHz/0.25V<br>(μH) | Tolerance | Saturation<br>Current<br>(A) | Temperature<br>Rise Current<br>(A) | DCR<br>±30%<br>(mΩ) |
|---------------|-------------------------------------|-----------|------------------------------|------------------------------------|---------------------|
| NRSE4030-R47N | 0.47                                | ±30%      | 7.50                         | 4.00                               | 11.0                |
| NRSE4030-R56N | 0.56                                | ±30%      | 6.00                         | 4.00                               | 14.0                |
| NRSE4030-1R0N | 1.00                                | ±30%      | 5.90                         | 3.40                               | 15.0                |
| NRSE4030-1R5N | 1.50                                | ±30%      | 4.85                         | 3.30                               | 25.0                |
| NRSE4030-1R8N | 1.80                                | ±30%      | 4.25                         | 3.20                               | 30.0                |
| NRSE4030-2R2M | 2.20                                | ±20%      | 4.10                         | 2.95                               | 35.0                |
| NRSE4030-3R3M | 3.30                                | ±20%      | 3.30                         | 2.40                               | 40.0                |
| NRSE4030-3R6M | 3.60                                | ±20%      | 3.10                         | 2.30                               | 53.0                |
| NRSE4030-3R9M | 3.90                                | ±20%      | 3.00                         | 2.10                               | 57.0                |
| NRSE4030-4R7M | 4.70                                | ±20%      | 2.90                         | 2.00                               | 60.0                |
| NRSE4030-5R6M | 5.60                                | ±20%      | 2.75                         | 1.95                               | 70.0                |
| NRSE4030-6R8M | 6.80                                | ±20%      | 2.60                         | 1.70                               | 75.0                |
| NRSE4030-7R5M | 7.50                                | ±20%      | 2.20                         | 1.65                               | 90.0                |
| NRSE4030-8R2M | 8.20                                | ±20%      | 2.10                         | 1.60                               | 100                 |
| NRSE4030-100M | 10.0                                | ±20%      | 1.95                         | 1.50                               | 115                 |
| NRSE4030-120M | 12.0                                | ±20%      | 1.70                         | 1.35                               | 140                 |
| NRSE4030-150M | 15.0                                | ±20%      | 1.65                         | 1.15                               | 190                 |
| NRSE4030-180M | 18.0                                | ±20%      | 1.40                         | 1.10                               | 215                 |
| NRSE4030-220M | 22.0                                | ±20%      | 1.30                         | 1.00                               | 225                 |

