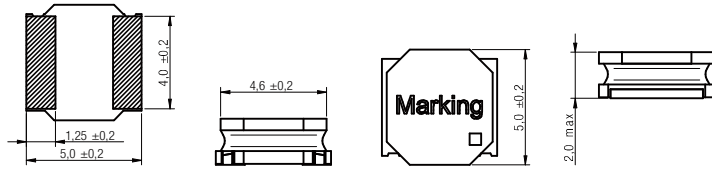


# NRS

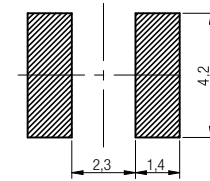
## SMD Shielded Tiny Power Inductor

Size 5020

### Dimensions (in mm)



### Land pattern (in mm)



### Electrical properties

| Part Number  | L<br>( $\mu$ H) | Tolerance<br>(%) | $I_R$<br>(A) | $I_{sat}$<br>(A) | $R_{DC} \pm 25\%$<br>(m $\Omega$ ) | Qty. |
|--------------|-----------------|------------------|--------------|------------------|------------------------------------|------|
| NRS5020-1R0N | 1.0             | ±30              | 3.70         | 4.33             | 20                                 | 3000 |
| NRS5020-1R5N | 1.5             |                  | 3.20         | 4.10             | 26                                 |      |
| NRS5020-2R2N | 2.2             |                  | 2.90         | 3.85             | 38                                 |      |
| NRS5020-3R3N | 3.3             |                  | 2.40         | 3.25             | 46                                 |      |
| NRS5020-4R7M | 4.7             | ±20              | 2.05         | 2.40             | 65                                 |      |
| NRS5020-6R8M | 6.8             |                  | 1.70         | 2.10             | 92                                 |      |
| NRS5020-100M | 10              |                  | 1.50         | 1.80             | 125                                |      |
| NRS5020-150M | 15              |                  | 1.25         | 1.44             | 180                                |      |
| NRS5020-220M | 22              |                  | 1.05         | 1.18             | 250                                |      |
| NRS5020-330M | 33              |                  | 0.83         | 0.97             | 370                                |      |
| NRS5020-470M | 47              |                  | 0.70         | 0.81             | 560                                |      |