## SMD / SMT Inductors (Coils) MLG0603P9N1JT000

| Applications  | Commercial Grade  |  |
|---------------|---|--|
| Feature       | <mark>Multilayer</mark> Multilayer<br>Non-Mag CoreNon-Magnetic Core (Dielectric Ceramic)<br>High Q High Q |  |
| Series   Type | MLG-P   |  |
| Status        | Production  |  |
| Brand         | ТОК   |  |

| Size                         |                |  |
|------------------------------|----------------|--|
| Length(L)                    | 0.60mm ±0.03mm |  |
| Width(W)                     | 0.30mm ±0.03mm |  |
| Thickness   Height           | 0.30mm ±0.03mm |  |
| Recommended Land Pattern (A) | 0.25mm Nom.    |  |
| Recommended Land Pattern (B) | 0.30mm Nom.    |  |
| Recommended Land Pattern (C) | 0.30mm Nom.    |  |

| Electrical Characteristics     |                     |  |
|--------------------------------|---------------------|--|
| Inductance                     | 9.1nH ±5% at 500MHz |  |
| Rated Current                  | 250mA               |  |
| DC Resistance [Typ.]           | 760mΩ               |  |
| DC Resistance [Max.]           | 900mΩ               |  |
| Self Resonant Frequency [Min.] | 4GHz                |  |
| Self Resonant Frequency [Typ.] | 5GHz                |  |
| Q [Min.]                       | 14 at 500MHz        |  |
| Q [Typ.]                       | 17 at 500MHz        |  |

| Other   |  |  |
|---|--|--|
| Operating Temp. Range (Including Self-Temp. Rise) | -55 to 125°C                                       |  |
| Soldering Method                                  | Reflow   |  |
| AEC-Q200  | NO   |  |
| Packing   | Punched (Paper)Taping [180mm Reel, Tape width 8mm] |  |
| Package Quantity                                  | 15000pcs   |  |
| Weight  | 0.0002g  |  |

! Images are for reference only and show exemplary products.

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10

1004

MLG0603P9N1JT000

5004 10004 S<sub>M</sub>

104

S<sub>C</sub>

190

'G

₹G

500<sub>14</sub>

5<sub>C</sub> 'n

SOOM

## Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

0.1

0.01

100

MLG0603P9N1JT000

'00g

<sup>5</sup>004

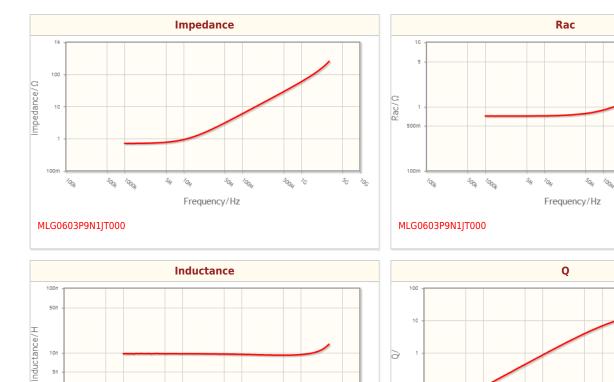
Sizy

10m

SOM

Frequency/Hz

100%



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SOM

Frequency/Hz

100<sub>41</sub>

500M 'n S<sub>C</sub>

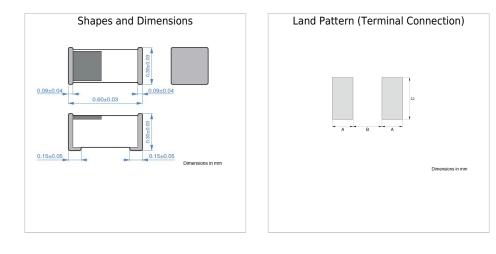
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## Associated Images



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