

CHIP INDUCTORS SURFACE MOUNT INDUCTORS LQN6C/LQS66C SERIES



The LQN6C/LQS66C Series are choke coils which have low direct current resistance, high current capacity and large inductance using high performance thick wire wrapping technology. Because the LQS66C Series has a shielded construction, it can be mounted in high density without interference occurring between peripheral components.

They are optimum for use as choke coils in DC/DC converters and DC power supply circuits.

FEATURES

- Both the LQN6C Series with its open magnetic path construction and the LQS66C Series with its magnetic shielding construction allow application to a wide variety of uses.
- The inductance range covers from 0.12 μ H up to 10000 μ H.
- Because the direct current resistance is small, the voltage drop and power consumption is also small, they are optimum for use as choke coils for DC power supply circuits.

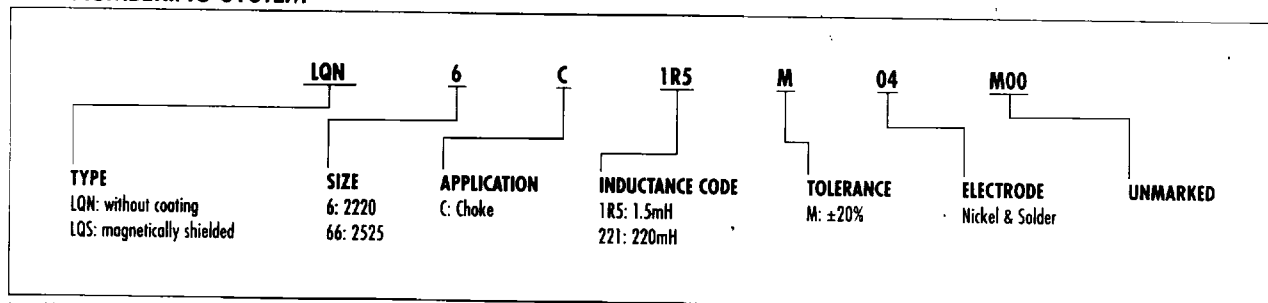
DIMENSIONS: mm

| 2220 | 2525 |
|----------------|----------------|
| | |
| EIA Code: 2220 | EIA Code: 2525 |

SPECIFICATIONS

| Part Number | Inductance | | | DC Resistance (Ω) | Self-Resonant Frequency (MHz min.) | Allowable Current (mA) | Operating Temperature Range |
|-------------|--------------------------|---------------|-----------------------|----------------------------|------------------------------------|------------------------|-----------------------------|
| | Nominal Value (μ H) | Tolerance (%) | Measurement Frequency | | | | |
| 2220 | 0.12 | ±20 | 1MHz | 0.006 ± 40% | 0.5 | 0.05 | -25°C ~ +80°C |
| | ~ | | ~ | ~ | ~ | ~ | |
| | 10000 | | 100kHz | 80.8 ± 40% | 450 | 6.0 | |
| 2525 | 0.27 | ±20 | 1MHz | 0.006 ± 40% | 0.5 | 0.05 | -25°C ~ +80°C |
| | ~ | | ~ | ~ | ~ | ~ | |
| | 10000 | | 100kHz | 34.0 ± 40% | 300 | 6.0 | |

PART NUMBERING SYSTEM



For additional applications and products, see Catalog No. E-06-E. To receive additional information on Murata Products call 1-800-831-9172.

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