

# SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SER TYPE

## FEATURES

- ◆ Perfect for high current.
- ◆ Extremely low RDC.
- ◆ Low voltage power supply applications.
- ◆ Custom design available.

## APPLICATIONS

- ◆ Power systems.
- ◆ DC/DC converters, etc.

## ORDERING CODE

SER 2014T - 2R2 □

Tolerance (K:±10%, L:±15%, M:±20%)

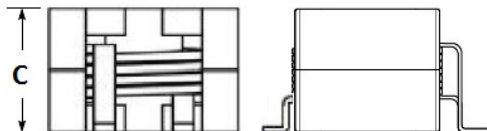
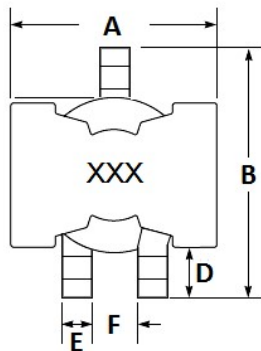
Inductance

Dimension

Product Symbol



## DIMENSIONS UNIT: mm



|   |            |     |
|---|------------|-----|
| A | 21.8 (MAX) | m/m |
| B | 24.5 (MAX) | m/m |
| C | 14.5 (MAX) | m/m |
| D | 4.0 ~ 7.5  | m/m |
| E | 2.2 ~ 3.8  | m/m |
| F | 4.0 ~ 7.0  | m/m |



CORE MASTER ENTERPRISE CO., LTD.

<http://www.coremaster.com.tw>

## SURFACE MOUNT HIGH CURRENT POWER INDUCTORS / SER TYPE

### ELECTRICAL CHARACTERISTICS FOR SER2014T

| Part No.        | Inductance<br>(uH) | Test Frequency<br>(MHz) | RDC<br>(mΩ) Max | IDC<br>(A) Max |
|-----------------|--------------------|-------------------------|-----------------|----------------|
| SER2014T - R70□ | 0.7                | 500KHz/0.1V             | 0.92            | 75             |
| SER2014T - 1R4□ | 1.4                | 500KHz/0.1V             | 1.19            | 60             |
| SER2014T - 2R2□ | 2.2                | 500KHz/0.1V             | 1.65            | 52             |
| SER2014T - 3R1□ | 3.1                | 500KHz/0.1V             | 2.30            | 45             |
| SER2014T - 4R2□ | 4.2                | 500KHz/0.1V             | 3.35            | 38             |
| SER2014T - 5R5□ | 5.5                | 500KHz/0.1V             | 4.40            | 33             |
| SER2014T - 7R0□ | 7.0                | 500KHz/0.1V             | 6.17            | 30             |
| SER2014T - 8R6□ | 8.6                | 500KHz/0.1V             | 7.91            | 25             |
| SER2014T - 100□ | 10                 | 500KHz/0.1V             | 8.75            | 23             |
| SER2014T - 150□ | 15                 | 500KHz/0.1V             | 9.57            | 21             |
| SER2014T - 220□ | 22                 | 500KHz/0.1V             | 11.71           | 15             |
| SER2014T - 330□ | 33                 | 500KHz/0.1V             | 12.54           | 11             |
| SER2014T - 470□ | 47                 | 500KHz/0.1V             | 13.42           | 8.5            |



**CORE MASTER ENTERPRISE CO., LTD.**

<http://www.coremaster.com.tw>