

## UNSHIELDED SMD POWER INDUCTORS / SDR TYPE

### FEATURES

- ◆ Low DC resistance and for large currents & low profile.

### APPLICATIONS

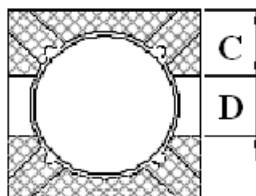
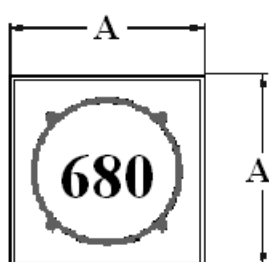
- ◆ Power supply for VTRs.
- ◆ Portable communication equipment.
- ◆ Notebook PCs.
- ◆ LCD televisions.
- ◆ DC/DC converters, etc.



### ORDERING CODE

|     |      |       |   |                    |
|-----|------|-------|---|--------------------|
| SDR | 6822 | - 1R5 | M |                    |
|     |      |       |   | Tolerance (M:±20%) |
|     |      |       |   | Inductance         |
|     |      |       |   | Dimension          |
|     |      |       |   | Product Symbol     |

### DIMENSIONS (UNIT: mm)



|   |            |     |
|---|------------|-----|
| A | 7.00 (MAX) | m/m |
| B | 2.50 (MAX) | m/m |
| C | 2.30 (MAX) | m/m |
| D | 2.20 (MAX) | m/m |

## UNSHIELDED SMD POWER INDUCTORS / SDR TYPE

### ELECTRICAL CHARACTERISTICS FOR SDR6822

| Part No.     | Inductance<br>( $\mu$ H) | DC Resistance<br>( $\Omega$ ) Max | IDC<br>(A) Max |
|--------------|--------------------------|-----------------------------------|----------------|
| SDR6822-R90M | 0.90                     | 0.014                             | 4.60           |
| SDR6822-1R5M | 1.50                     | 0.018                             | 4.00           |
| SDR6822-2R0M | 2.00                     | 0.024                             | 3.20           |
| SDR6822-2R7M | 2.70                     | 0.032                             | 2.60           |
| SDR6822-3R9M | 3.90                     | 0.040                             | 2.20           |
| SDR6822-5R0M | 5.00                     | 0.046                             | 2.00           |
| SDR6822-6R2M | 6.20                     | 0.054                             | 1.70           |
| SDR6822-7R5M | 7.50                     | 0.060                             | 1.50           |
| SDR6822-100M | 10.0                     | 0.070                             | 1.30           |
| SDR6822-120M | 12.0                     | 0.080                             | 1.15           |
| SDR6822-150M | 15.0                     | 0.095                             | 1.05           |
| SDR6822-180M | 18.0                     | 0.100                             | 1.00           |
| SDR6822-220M | 22.0                     | 0.120                             | 0.95           |
| SDR6822-270M | 27.0                     | 0.150                             | 0.85           |
| SDR6822-330M | 33.0                     | 0.200                             | 0.78           |
| SDR6822-390M | 39.0                     | 0.250                             | 0.70           |
| SDR6822-470M | 47.0                     | 0.280                             | 0.62           |
| SDR6822-560M | 56.0                     | 0.320                             | 0.56           |
| SDR6822-680M | 68.0                     | 0.360                             | 0.50           |
| SDR6822-820M | 82.0                     | 0.420                             | 0.45           |
| SDR6822-101M | 100.0                    | 0.480                             | 0.40           |
| SDR6822-121M | 120.0                    | 0.600                             | 0.36           |
| SDR6822-151M | 150.0                    | 0.720                             | 0.32           |
| SDR6822-181M | 180.0                    | 0.860                             | 0.28           |
| SDR6822-221M | 220.0                    | 1.100                             | 0.25           |
| SDR6822-271M | 270.0                    | 1.300                             | 0.22           |
| SDR6822-331M | 330.0                    | 1.500                             | 0.20           |
| SDR6822-391M | 390.0                    | 1.800                             | 0.18           |

\* Test Frequency : 100KHZ/0.1V



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

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