

## UNSHIELDED SMD POWER INDUCTORS / SDR TYPE

### FEATURES

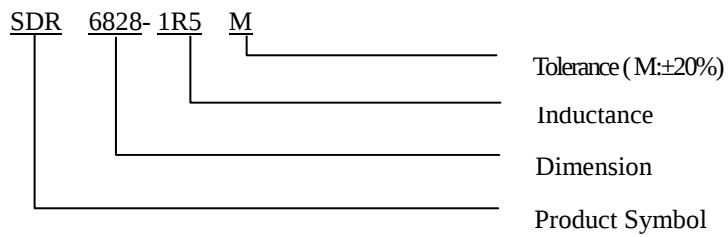
- ◆ Low DC resistance and for large currents & low profile.

### APPLICATIONS

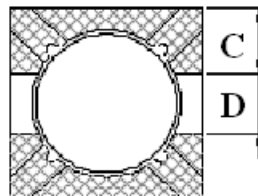
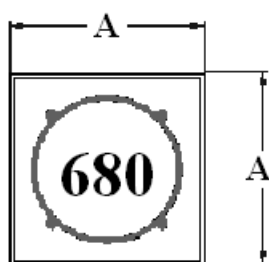
- ◆ Power supply for VTRs.
- ◆ Portable communication equipment.
- ◆ Notebook PCs.
- ◆ LCD televisions.
- ◆ DC/DC converters, etc.



### ORDERING CODE



### DIMENSIONS (UNIT: mm)



|   |            |     |
|---|------------|-----|
| A | 7.00 (MAX) | m/m |
| B | 3.00 (MAX) | m/m |
| C | 2.20 (MAX) | m/m |
| D | 2.20 (MAX) | m/m |

## UNSHIELDED SMD POWER INDUCTORS / SDR TYPE

### ELECTRICAL CHARACTERISTICS FOR SDR6828

| Part No.     | Inductance<br>( $\mu$ H) | DC Resistance<br>( $\Omega$ ) Max | IDC<br>(A) Max |
|--------------|--------------------------|-----------------------------------|----------------|
| SDR6828-2R5M | 2.50                     | 0.025                             | 3.00           |
| SDR6828-3R3M | 3.30                     | 0.028                             | 2.60           |
| SDR6828-3R9M | 3.90                     | 0.032                             | 2.30           |
| SDR6828-5R0M | 5.00                     | 0.036                             | 2.10           |
| SDR6828-6R0M | 6.00                     | 0.040                             | 2.00           |
| SDR6828-7R3M | 7.30                     | 0.052                             | 1.85           |
| SDR6828-8R6M | 8.60                     | 0.056                             | 1.82           |
| SDR6828-100M | 10.0                     | 0.065                             | 1.70           |
| SDR6828-150M | 15.0                     | 0.078                             | 1.30           |
| SDR6828-220M | 22.0                     | 0.115                             | 1.08           |
| SDR6828-330M | 33.0                     | 0.155                             | 0.92           |
| SDR6828-470M | 47.0                     | 0.235                             | 0.72           |
| SDR6828-680M | 68.0                     | 0.300                             | 0.60           |
| SDR6828-101M | 100.0                    | 0.500                             | 0.55           |
| SDR6828-151M | 150.0                    | 0.680                             | 0.42           |
| SDR6828-221M | 220.0                    | 0.820                             | 0.36           |
| SDR6828-331M | 330.0                    | 1.400                             | 0.27           |
| SDR6828-471M | 470.0                    | 2.100                             | 0.22           |
| SDR6828-681M | 680.0                    | 3.100                             | 0.20           |

\* Test Frequency : 100KHZ/0.1V