# HIGH CURRENT SURFACE-MOUNT POWER SHIELDED INDUCTORS

## SDRS SERIES

**0603,0704,1005,1205**

### FEATURES:
- Current up to 2.6A
- Very Small Foot Print
- Flat-top for Pick & Place
- Shielded structure

### OPTIONS:
- Tape & Reel is Standard
  (Qty:2000pcs.)
- Bulk packaging Available
  for Smaller Quantities
- Tolerance: K=10%, M=20% is
  Standard, Tighter Tolerances Available

### APPLICATION:
- Power supply for VTRs.
- OA equipment.
- LCD televisions.
- Notebook PCs.
- Portable communication equipment.
- DC/DC converters, etc.

## STANDARD SPECIFICATION:

<table>
<thead>
<tr>
<th>Part Number</th>
<th>SDRS 0603</th>
<th>SDRS 0704</th>
<th>SDRS 1005</th>
<th>SDRS 1205</th>
<th>SDRS 0603</th>
<th>SDRS 0704</th>
<th>SDRS 1005</th>
<th>SDRS 1205</th>
</tr>
</thead>
<tbody>
<tr>
<td>L (μH)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0.05</td>
<td>1.00</td>
<td>1.65</td>
<td>2.06</td>
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<tr>
<td>DCR(Ω) Max.</td>
<td>1.00</td>
<td>1.57</td>
<td>1.94</td>
<td>2.50</td>
<td>1.94</td>
<td>1.72</td>
<td>2.45</td>
<td>2.40</td>
</tr>
<tr>
<td>IDC(A)</td>
<td>1.00</td>
<td>1.65</td>
<td>2.06</td>
<td>2.65</td>
<td>2.06</td>
<td>2.45</td>
<td>2.40</td>
<td>2.20</td>
</tr>
</tbody>
</table>

### TECHNICAL INFORMATION:
- Testing: Equivalent acceptable
- Inductance: HP4285A
- RDG/QuadTech 1890 Millisohmeter
- DC current is decreased 10% against its initial value
- Temperature: -40°C to +85°C
- Storage Temperature: -40°C to +105°C
- Solder methods: Vapor Phase, Infrared Reflow
- Resistance to soldering heat: 260°C for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E

### PHYSICAL CHARACTERISTICS:

**DIMENSIONS IN: mm**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>H</th>
<th>I</th>
<th>J</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDRS-0603</td>
<td>0.6+0.3</td>
<td>0.6+0.3</td>
<td>0.3+0.3</td>
<td>1.7</td>
<td>5.5</td>
<td>2.25</td>
<td>1.7</td>
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<tr>
<td>SDRS-0704</td>
<td>0.7+0.35</td>
<td>0.7+0.35</td>
<td>0.4+0.4</td>
<td>1.9</td>
<td>7.5</td>
<td>4.0</td>
<td>2.0</td>
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<tr>
<td>SDRS-1005</td>
<td>1.0+0.4</td>
<td>0.9+0.4</td>
<td>0.5+0.5</td>
<td>2.5</td>
<td>9.5</td>
<td>5.0</td>
<td>2.5</td>
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<tr>
<td>SDRS-1205</td>
<td>1.2+0.5</td>
<td>1.1+0.5</td>
<td>0.5+0.5</td>
<td>3.0</td>
<td>12.0</td>
<td>6.0</td>
<td>3.0</td>
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