Panasonic

Power Inductors / Wire Wound type

Discontinued

Series: U
Type: ELL3FU

Features
- A high performance is achieved by improvement of winding space factor by the rectangular wire and the original winding industrial method. High performance was actualized by the application of flat wire winding and ring coreless structure.
- The magnetic shield effect is provided by adhesive with magnetic materials structure.
- Low profile
- RoHS compliant

Recommended Applications
- Choke coil for smoothness of DC/DC of mobile device
- Mobile Phone, DSC, HDD, MID, Net-Book

Standard Packing Quantity
- 2000 pcs./Reel

Soldering Conditions and Safety Precautions
Please see Data Files.

Explanation of Part Numbers

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
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<tbody>
<tr>
<td>E</td>
<td>L</td>
<td>L</td>
<td>3</td>
<td>F</td>
<td>U</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>M</td>
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</table>

- ELL: Choke Coil (Magnetic Shielded type)
- Height: F 1.2 max.
- Structure: U Series
- Inductance: 2R2 → 2.2 μH
- Tolerance: M → ±20 %
- Design No.: N → ±30 %

Dimensions in mm (not to scale)

Recommended land patterns in mm (not to scale)

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

01 Sep. 2012
**Standard Parts**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Inductance (100 kHz) (μH)</th>
<th>R_{dc} (at 20 °C) (mΩ)</th>
<th>Saturation Rated Current(^1) (mA max.)</th>
<th>Temperature Rise Current(^2) (mA max.)</th>
<th>Marking</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELL3FU1R0N</td>
<td>1.0 ±30 %</td>
<td>53</td>
<td>2300</td>
<td>1900</td>
<td>A</td>
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<tr>
<td>ELL3FU1R5N</td>
<td>1.5 ±30 %</td>
<td>66</td>
<td>1900</td>
<td>1700</td>
<td>C</td>
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<tr>
<td>ELL3FU2R2N</td>
<td>2.2 ±20 %</td>
<td>76</td>
<td>1400</td>
<td>1600</td>
<td>D</td>
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<tr>
<td>ELL3FU2R2NB</td>
<td>2.2 ±20 %</td>
<td>120</td>
<td>1800</td>
<td>1200</td>
<td>d</td>
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<tr>
<td>ELL3FU3R3N</td>
<td>3.3 ±20 %</td>
<td>140</td>
<td>1200</td>
<td>1160</td>
<td>E</td>
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<tr>
<td>ELL3FU4R7N</td>
<td>4.7 ±20 %</td>
<td>160</td>
<td>1000</td>
<td>1000</td>
<td>H</td>
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<tr>
<td>ELL3FU100M</td>
<td>10.0 ±20 %</td>
<td>300</td>
<td>650</td>
<td>800</td>
<td>M</td>
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</table>

\(^1\) Saturation Rated Current: This DC current which causes a 30% inductance reduction from its nominal value.

\(^2\) Temperature Rise Current: This indicates the value of current when temperature rise dt/t = 40 °C (at 20 °C).

**Embossed Carrier Tape Dimensions in mm (not to scale)**

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Quantity 2000 pcs./Reel