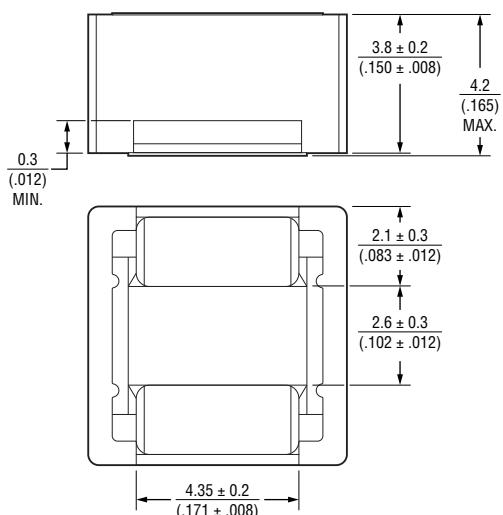
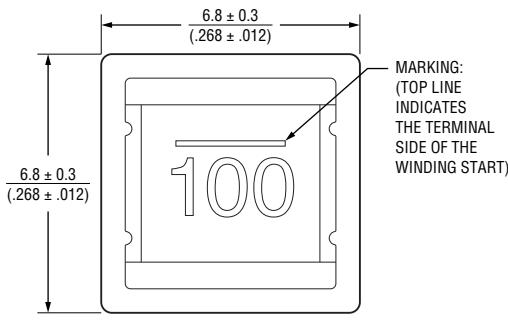




## SRR6838A Series – Shielded Power Inductors

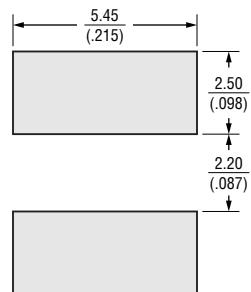
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### Product Dimensions



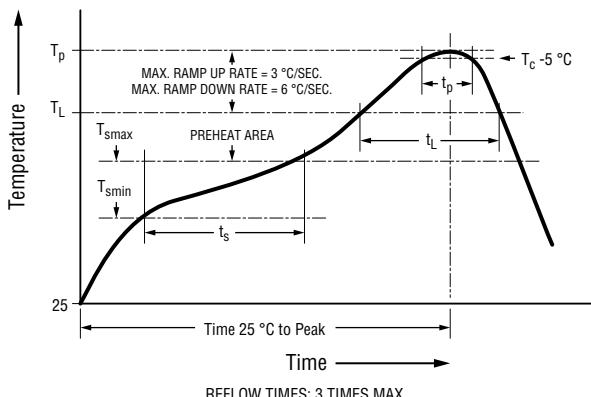
DIMENSIONS:  $\frac{\text{MM}}{(\text{INCHES})}$

### Recommended Layout



DIMENSIONS:  $\frac{\text{MM}}{(\text{INCHES})}$

### Soldering Profile



Profile Feature	Pb Free Assembly
Preheat	<ul style="list-style-type: none"> <li>- Temperature Min. (<math>T_{smin}</math>)</li> <li>- Temperature Max. (<math>T_{smax}</math>)</li> <li>- Time (<math>t_s</math>) from <math>T_{smin}</math> to <math>T_{smax}</math></li> </ul>
Ramp-up Rate ( $T_L$ to $T_p$ )	3 °C/second max.
Liquidous temperature ( $T_L$ )	217 °C
Time ( $t_L$ ) maintained above $T_L$	60-150 seconds
Peak package body temperature ( $T_p$ )	250 °C
Time ( $t_p$ ) at $T_c - 5^\circ\text{C}$ ( $T_p$ should be equal to or less than $T_c$ )	< 30 seconds
Ramp-Down Rate ( $T_p$ to $T_L$ )	6 °C/second max.
Time 25 °C to Peak Temperature	8 minutes max.

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

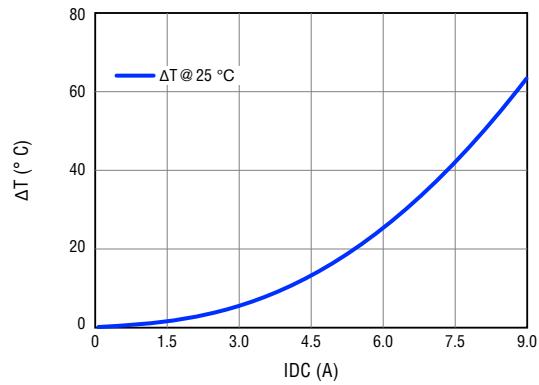
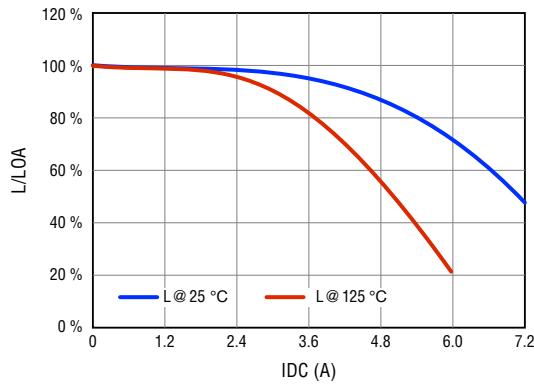
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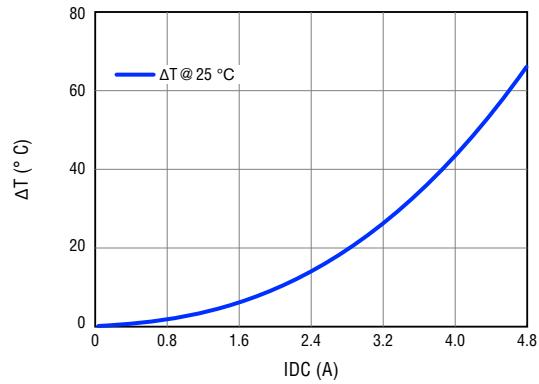
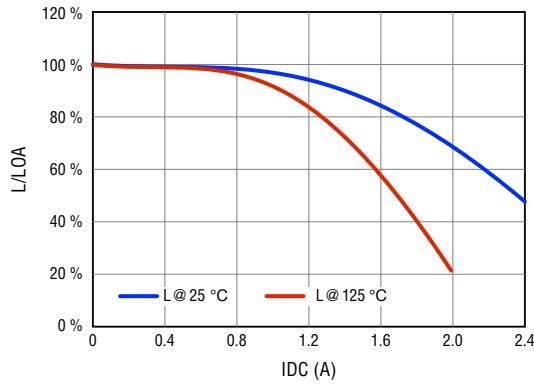
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### Typical Current Characteristics

#### SRR6838A-1R0Y



#### SRR6838A-100M



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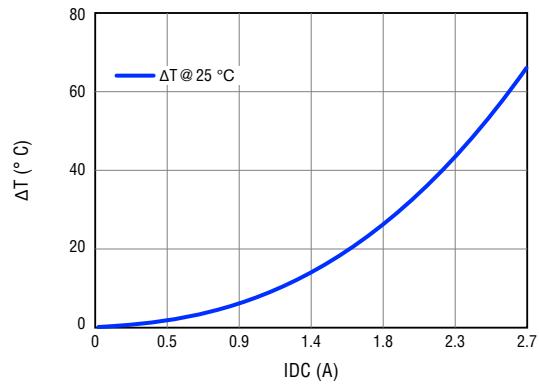
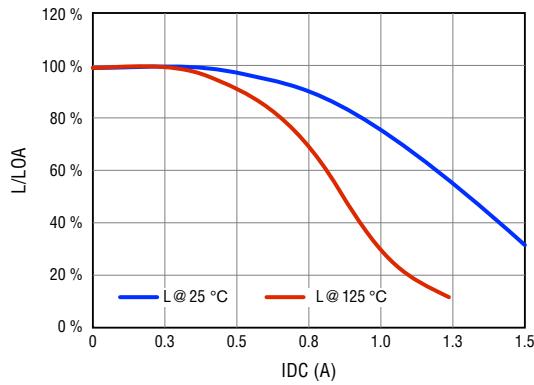
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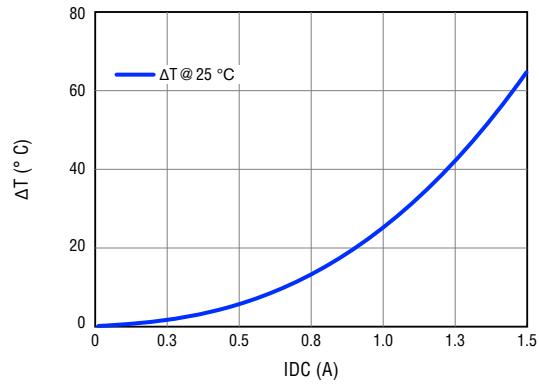
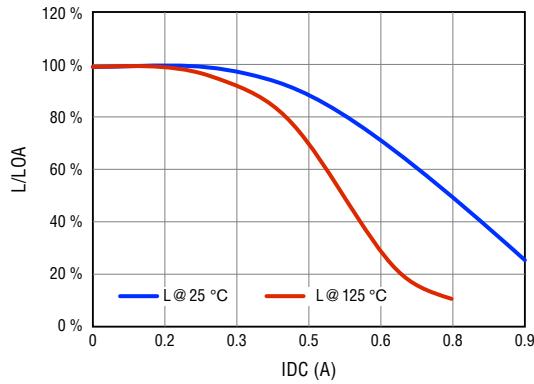
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### Typical Current Characteristics

#### SRR6838A-330M



#### SRR6838A-101M



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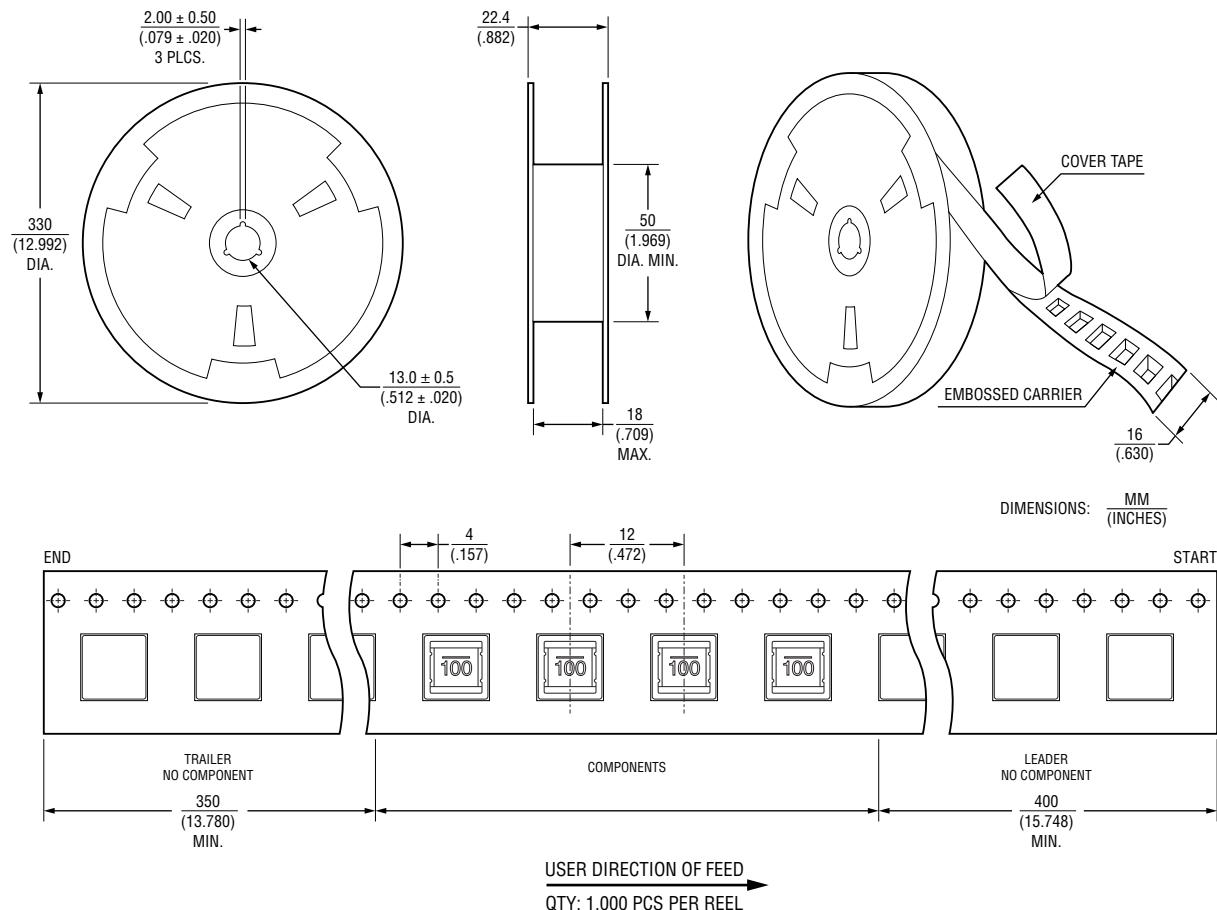
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