**Hi-Rel 0603 Surface Mount Chip Inductors, Open Construction**

### Parameters

**Dimensions**

<table>
<thead>
<tr>
<th></th>
<th>Inches</th>
<th>Millimeters</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>0.071</td>
<td>1.80</td>
</tr>
<tr>
<td>B</td>
<td>0.047</td>
<td>1.19</td>
</tr>
<tr>
<td>C</td>
<td>0.040</td>
<td>1.02</td>
</tr>
<tr>
<td>D</td>
<td>0.030</td>
<td>0.76</td>
</tr>
<tr>
<td>E</td>
<td>0.018</td>
<td>0.44</td>
</tr>
<tr>
<td>F</td>
<td>0.008</td>
<td>0.20</td>
</tr>
</tbody>
</table>

**Current Rating at 90°C Ambient** 35°C Rise

**Operating Temperature Range** -55°C to +125°C

**Part Storage Temperature Range** -55°C to +125°C

**Maximum Power Dissipation at 90°C** 0.100 W

**Electrical Characteristics** Measured at +25°C

**DWV** 200 Vrms at Sea Level

80 Vrms at 70,000 feet altitude

**IR at 100 Vdc** 1000 Mohms Min.

**Weight/Mass** 0.008 Grams Maximum

### Testing

**MIL-PRF-83446 testing (Each Lot)**

**Group A Subgroup I which includes:**

1) Thermal Shock, 5 cycles
2) Post-Thermal Shock Inductance & Q Testing

**Group A Subgroup II which includes:**

1) Visual & Mechanical Inspection
2) SRF & DCR Testing

**Vibration** MIL-STD-202, Method 204, Test Condition D

**Shock** MIL-STD-202, Method 213, Test Condition I

**Moisture Resistance** MIL-STD-202, Method 106

**Solderability** MIL-STD-202, Method 208
SERIES M83446/36
Hi-Rel 0603 Surface Mount
Chip Inductors, Open Construction

Marking and Packaging

Package (Reel Marking)
MILITARY P/N
API Delevan Cage Code
Date Code/Lot Symbol (YYWWL)
Example: M83446/36-12AGMT
99800
1508A

Packaging
T = Tape & Reel, 8mm, 4000 pieces max.
Min. 1, Multiple 1
W = Waffle Pack, 350 pcs. per pack
Min. 1, Multiple 1

How To Order

By QPL / MIL / P/N:
M 8 3 4 4 6 / 3 6 - 0 6 A G M T
M83446/36 Series
MIL Dash # (per table)
Termination Finish
A = Gold over Nickel (solderable/weldable)
B = Not Available
C = Not Available
Inductance Tolerance
G = 2%
J = 5%
K = 10%
Product Level
M = General Purpose Military Applications
T = Critical Military Applications
Packaging Option
T=Tape & Reel
W=Waffle Pack

All product specifications and data contained herein are subject to change without notice to improve reliability, function, performance, design or otherwise.

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