
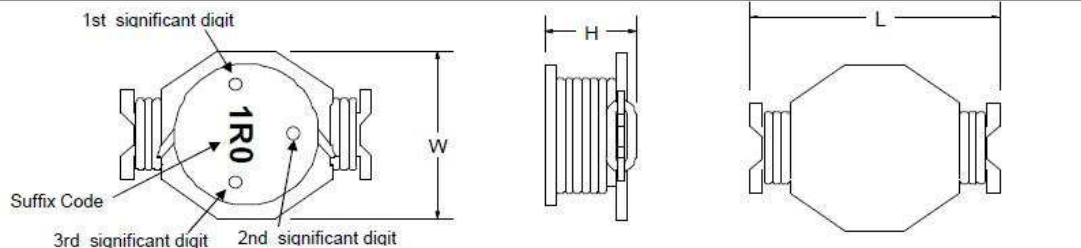
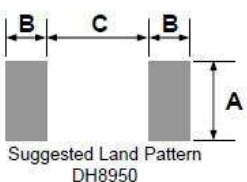
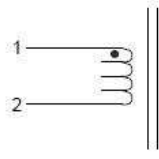



MGDH1-00011	REV A																																								
Product Description 1.0 uH ,Low Profile, High Current Power Inductor																																									
																																									
Parts will be marked with Significant Digit Dots OR Suffix code																																									
 <p>Suggested Land Pattern DH8950</p>	<table border="1" style="margin: auto;"> <thead> <tr> <th colspan="3">Maximum Dimensions</th> </tr> <tr> <th>Units</th> <th>L</th> <th>W</th> <th>H</th> </tr> </thead> <tbody> <tr> <td>inches</td> <td>0.362"</td> <td>0.252"</td> <td>0.197"</td> </tr> <tr> <td>[mm]</td> <td>[9.19]</td> <td>[6.40]</td> <td>[5.00]</td> </tr> </tbody> </table> <table border="1" style="margin: auto;"> <thead> <tr> <th colspan="3">Nominal Dimensions</th> <th colspan="3">Color Code</th> </tr> <tr> <th>A</th> <th>B</th> <th>C</th> <th>1st</th> <th>2nd</th> <th>3rd</th> </tr> </thead> <tbody> <tr> <td>0.160"</td> <td>0.075"</td> <td>0.200"</td> <td>Brown</td> <td>Black</td> <td>Orange</td> </tr> <tr> <td>[4.06]</td> <td>[1.91]</td> <td>[5.08]</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Maximum Dimensions			Units	L	W	H	inches	0.362"	0.252"	0.197"	[mm]	[9.19]	[6.40]	[5.00]	Nominal Dimensions			Color Code			A	B	C	1st	2nd	3rd	0.160"	0.075"	0.200"	Brown	Black	Orange	[4.06]	[1.91]	[5.08]				
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Electrical Specifications at +20°C unless noted otherwise																																									
<i>Test Description</i>	<i>Limit</i>	<i>Units</i>	<i>Tol</i>	<i>Notes</i>																																					
Inductance	1.0	µH	±20%	1-2, 100kHz, 250mVAC, Ls.																																					
Saturation Current Handling	5.30	A	Max.	1-2, 100kHz, 250mVAC, applied to produce a typical 10% drop in inductance																																					
DC Resistance	0.014	Ω	Max.	1-2																																					
Dielectric	50	VDC	500µA	1-core, 1 second test, 500µA maximum leakage current.																																					
																																									
260°C Maximum reflow temperature per J-STD020B																																									
Operating Temperature Range: -40°C to +85°C																																									
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Date: 03/02/07																																									