

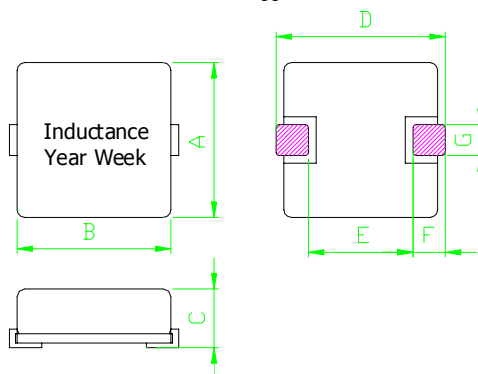


# SMD High Current Inductor

## Ideal for DC to DC converter, VRM & high density board design

New Product

*Low leakage flux, shielded inductor design*  
*Low profile 3.5mm max height*  
*Excellent DC Bias Roll off*

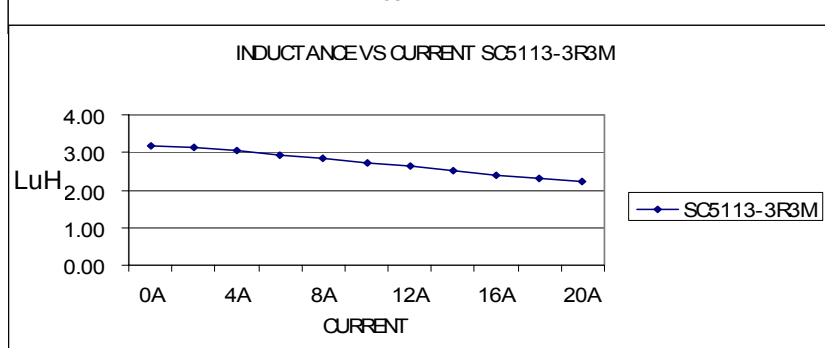
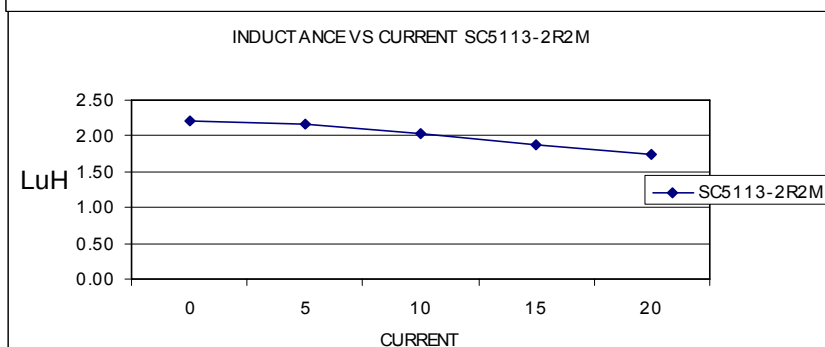
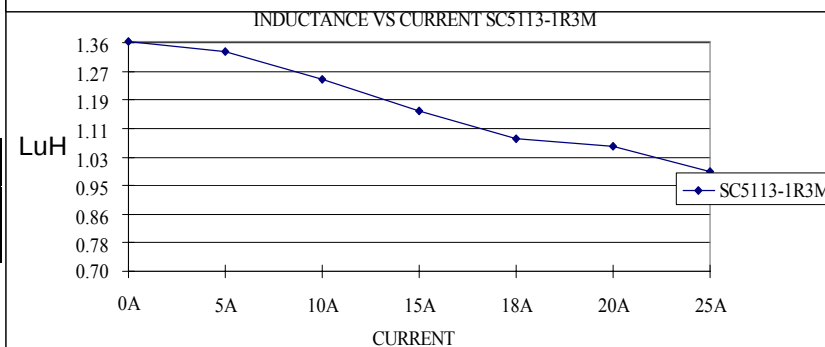
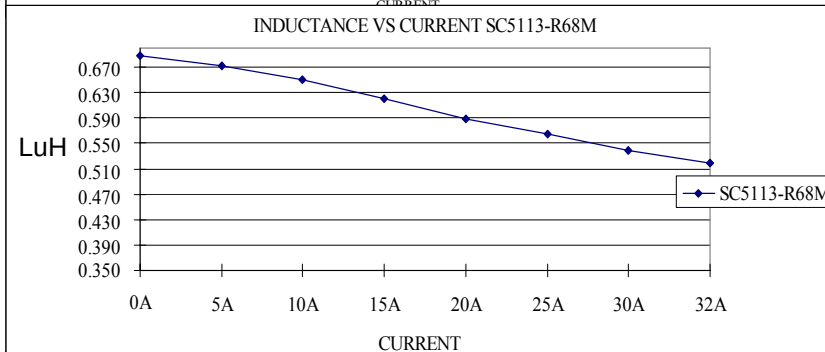
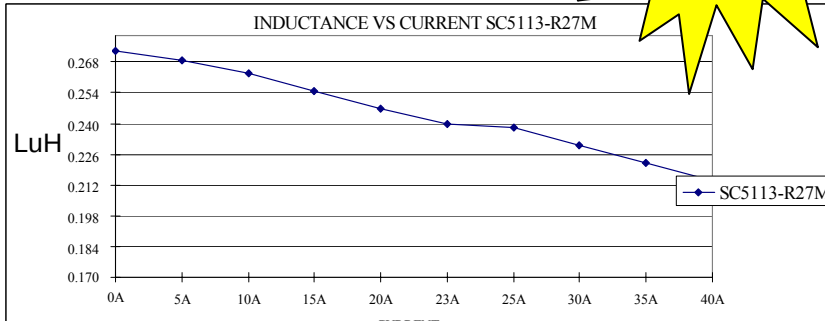


Dimensions (mm)

| A            | B            | C          | D            | E           | F           | G           |
|--------------|--------------|------------|--------------|-------------|-------------|-------------|
| 13.1<br>±0.3 | 13.1<br>±0.3 | 3.5<br>max | 13.2<br>±0.3 | 7.2±<br>0.3 | 2.8±<br>0.3 | 2.2±<br>0.3 |

| Part Number | L $\mu$ H<br>$\pm 20\%$<br>300KHz<br>0.1V | DCR m $\Omega$<br>$\pm 7\%$ | I <sub>rms</sub><br>Amps | L $\mu$ H<br>@ I <sub>rms</sub> | I <sub>dc</sub><br>max.<br>Amps | L @<br>I <sub>max</sub> |
|-------------|-------------------------------------------|-----------------------------|--------------------------|---------------------------------|---------------------------------|-------------------------|
| SC5113-R27M | 0.27                                      | 0.85                        | 23                       | 0.245                           | 40                              | 0.22                    |
| SC5113-R67M | 0.68                                      | 1.78                        | 20                       | 0.59                            | 32                              | 0.51                    |
| SC5113-1R3M | 1.30                                      | 3.10                        | 18                       | 1.08                            | 25                              | 0.98                    |
| SC5113-2R2M | 2.20                                      | 6.0                         | 16                       | 1.90                            | 22                              | 1.54                    |
| SC5113-3R3M | 3.30                                      | 8.6                         | 10                       | 2.70                            | 18                              | 2.30                    |

*I<sub>rate</sub>: 40C Temp Raise*  
*I<sub>max</sub>: 100C Temp Raise or*  
*max of 30% Inductance roll off*  
*(whichever comes first)*



Tel: 914-347-2474  
 Fax: 914-347-7230

Inter-Technical, LLC  
 175 Clearbrook Road  
 Elmsford, NY 10523  
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web: [www.inter-technical.com](http://www.inter-technical.com)  
 email: [sales@inter-technical.com](mailto:sales@inter-technical.com)