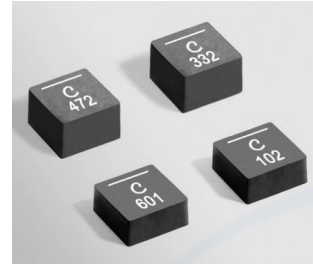


## ■ XAL4040

### Features

- Compact size using flat wire, and SMD type.  
扁平线小尺寸封装，贴片类型
- Low radiation noise by magnetically shielded construction  
闭合磁路封装，低辐射
- High current, Low resistance.  
大电流，低电阻
- Operating temperature :  $-40^{\circ}\text{C}\sim+125^{\circ}\text{C}$ .  
工作温度:  $-40^{\circ}\text{C}\sim+125^{\circ}\text{C}$



### Applications

- high efficiency DC/DC converters. 高效 DC/DC 转换器
- Single and polyphase buck converters. 单相、多相降压转换器
- Filter for audio applications. 音频滤波应用
- Optimized for high current boost applications. 大电流升压应用优化

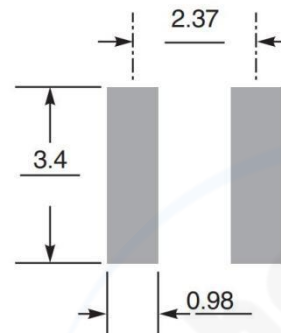
### Electrical characteristics

Part number 料号	Inductance 电感量 $\mu\text{H}$ ( $\pm 20\%$ )	DC resistance 直流电阻 $\text{m}\Omega$ max		Temperature rise current 温升电流 A.		DC saturation current 直流饱和电流 A max. $\Delta L \leq 30\%$
		Typ	max	$\Delta T \leq 20^{\circ}\text{C}$	$\Delta T \leq 40^{\circ}\text{C}$	
XAL4040-822	8.2	60.8	66.9	2.4	3.4	4.0
XAL4040-103	10	84.0	92.4	2.2	3.1	3.0
XAL4040-153	15	109	120	2.0	2.8	2.9

### Remark

- Inductance is measured with a LCR meter 4284A or equivalent.  
Test frequency at 100kHz
- DC resistance is measured with 16502 Milliohm Meter , or equivalent.  
Reference ambient temperature  $25^{\circ}\text{C}$

### Recommended Land Pattern (mm)



### Dimensions

