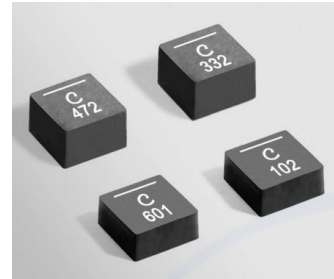


■XAL4030

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

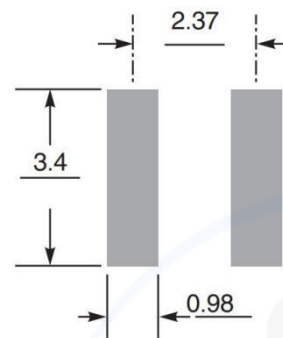
Electrical characteristics

Part number 料号	Inductance 电感量 μH ($\pm 20\%$)	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	$\Delta T \leq 20^{\circ}\text{C}$	$\Delta T \leq 40^{\circ}\text{C}$	
XAL4030-332	3.3	26.0	28.6	5.0	6.6	5.9
XAL4030-472	4.7	40.1	44.1	3.9	5.1	4.6
XAL4030-682	6.8	67.4	74.1	3.0	3.9	3.6

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°C

Recommended Land Pattern (mm)



Dimensions (mm)

