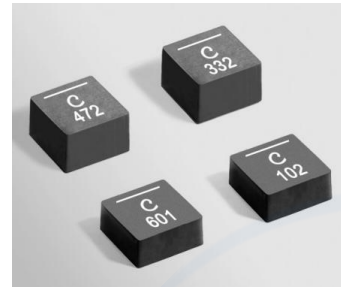


■ XAL6020

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

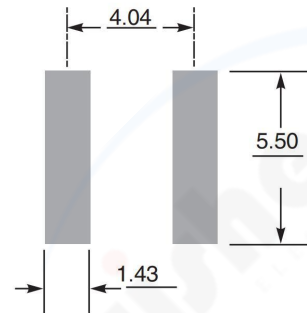
Electrical characteristics

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	$\Delta T \leq 20^{\circ}\text{C}$	$\Delta T \leq 40^{\circ}\text{C}$	
XAL6020-121	0.12	1.60	1.85	21.0	27.0	45
XAL6020-161	0.16	2.35	2.70	20.0	26.0	41
XAL6020-271	0.27	3.45	3.85	19.0	25.0	29.5
XAL6020-451	0.45	4.60	5.05	17.0	22.0	24.5
XAL6020-601	0.6	6.45	7.10	15.0	18.5	20.5
XAL6020-901	0.9	10.63	11.10	11.5	15.2	19.1
XAL6020-112	1.1	12.60	13.10	10.0	12.0	17.1

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

