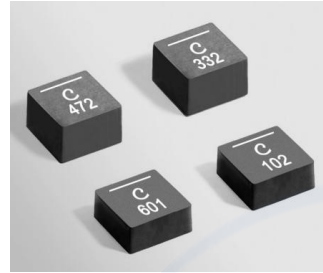


■XAL5030

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°C~+125°C.
工作温度：-40°C~+125°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

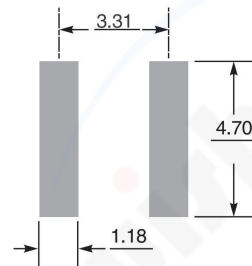
Electrical characteristics

Part number 料号	Inductance 电感量 μH (±20%)	DC resistance 直流电阻 mΩ		Temperature rise current 温升电流 A.		DC saturation current 直流饱和电流 A max. ΔL ≤ 30%
		Typ	max	ΔT ≤ 20°C	ΔT ≤ 40°C	
XAL5030-161	0.16	2.15	2.36	14.2	22.2	31.0
XAL5030-331	0.33	3.20	3.52	13.8	19.2	26.0
XAL5030-601	0.60	4.11	4.52	13.6	17.7	19.8
XAL5030-801	0.80	5.14	5.65	10.0	13.0	18.5
XAL5030-102	1.0	8.50	9.40	8.7	11.1	14.0
XAL5030-122	1.2	11.40	12.40	7.9	10.4	12.5
XAL5030-222	2.2	13.20	14.50	7.2	9.7	9.2
XAL5030-332	3.3	21.20	23.30	5.9	8.1	8.7
XAL5030-472	4.7	36.00	40.00	4.3	5.9	6.7

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

