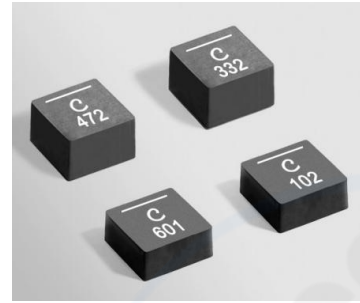


■XAL6030

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

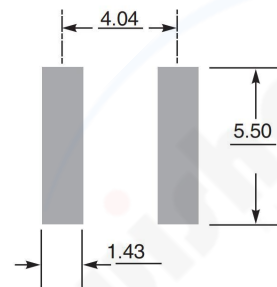
Electrical characteristics

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	
XAL6030-181	0.18	1.59	2.36	24	32	39
XAL6030-331	0.33	2.30	3.52	20	25	30
XAL6030-561	0.56	3.01	4.52	17	22	29
XAL6030-102	1.0	5.62	5.65	13	18	23
XAL6030-122	1.2	6.82	9.40	12	16	22
XAL6030-182	1.8	9.57	12.40	10	14	18.2
XAL6030-222	2.2	12.70	14.50	7.0	10	15.9
XAL6030-332	3.3	19.92	23.30	6.0	8	12.2

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

