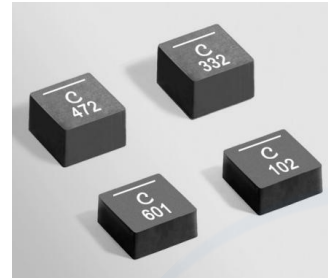


■XAL7020

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

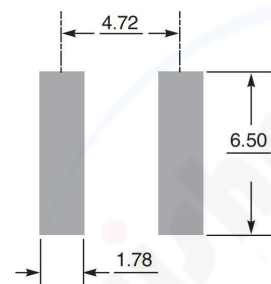
Electrical characteristics

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%	A(mm) ±0.1
		Typ	max	ΔT ≤ 20°C	ΔT ≤ 40°C		
XAL7020-151	0.15	1.9	2.5	18	24	46.0	1.6
XAL7020-271	0.27	2.9	3.8	15	21	30.0	1.6
XAL7020-331	0.33	4.0	5.2	14	20	28.0	1.6
XAL7020-471	0.47	5.3	6.4	12	17	24.3	1.6
XAL7020-681	0.68	7.9	9.5	10	13	22.3	1.6
XAL7020-102	1.0	9.8	10.8	8.0	11	18.0	1.6
XAL7020-122	1.2	11.5	12.8	7.0	10	17.6	1.6
XAL7020-152	1.5	17.6	19.3	6.0	9.0	15.0	1.4
XAL7020-222	2.2	28.7	31.6	5.0	7.0	13.6	1.4

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)

