

■XAL6060

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

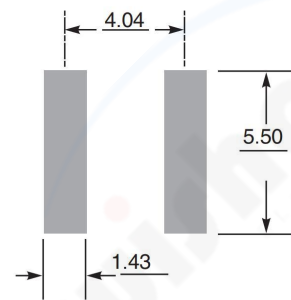
Electrical characteristics

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	
XAL6060-472	4.7	13.10	14.40	8.0	11	10.5
XAL6060-562	5.6	14.46	15.90	7.5	10	9.9
XAL6060-682	6.8	18.90	20.80	7.0	9.0	9.2
XAL6060-822	8.2	24.00	26.40	6.0	8.0	8.4
XAL6060-103	10	27.00	29.82	5.0	7.0	7.6
XAL6060-153	15	39.77	43.75	4.5	6.0	5.8
XAL6060-223	22	55.12	60.63	3.6	5.0	5.6
XAL6060-333	33	95.68	105.0	2.7	3.6	3.7

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

