

■XAL5050

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

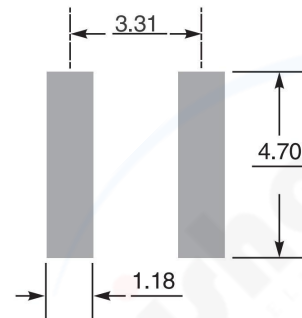
Electrical characteristics

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	
XAL5050-562	5.6	23.45	25.8	5.3	7.2	6.3
XAL5050-682	6.8	26.75	29.45	4.7	6.4	6.0
XAL5050-822	8.2	31.75	34.95	4.5	6.1	5.6
XAL5050-103	10	40.9	45.00	3.6	4.9	4.9
XAL5050-153	15	69.70	76.70	2.9	3.9	3.7
XAL5050-223	22	90.6	99.65	2.5	3.4	3.6

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

