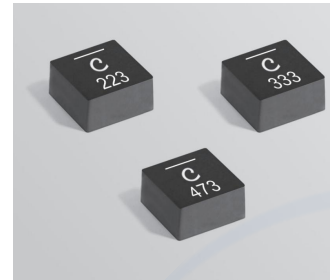


## Features

- 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

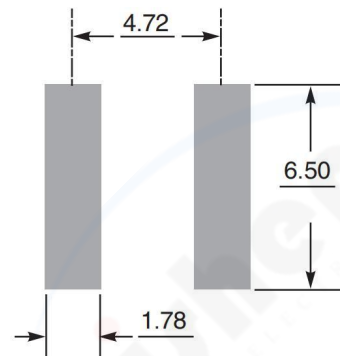
## Electrical characteristics

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	
XAL7050-103	10	25	29	6.3	8.5	7.1
XAL7050-153	15	35	41	5.1	7.0	6.4
XAL7050-183	18	43	50	4.5	6.2	6.2
XAL7050-223	22	60	70	4.0	5.0	5.5
XAL7050-333	33	75	85	3.4	4.6	4.1
XAL7050-473	47	105	120	2.5	3.5	3.5

### 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)



## ■ XAL7050

### Dimensions (mm)

