

■PG74 Series

Features 特点

- Using flat wire, and SMD type. 采用扁平线, 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: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$. 工作温度: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$
- Tape and reel packaging: -40°C to $+80^{\circ}\text{C}$ 卷带包装: -40°C 至 $+80^{\circ}\text{C}$
- Resistance to soldering heat Max three 40 second reflows at $+260^{\circ}\text{C}$, parts cooled to room temperature between cycles
耐焊接热最多三个 40 秒回流 $+260^{\circ}\text{C}$, 部件在循环之间冷却至室温
- Moisture Sensitivity Level (MSL) 1 (unlimited floor life at $<30^{\circ}\text{C}$ / 85% relative humidity)
湿气敏感度等级 (MSL) 1 (在 $<30^{\circ}\text{C}$ 时的无限车间寿命/ 85% 相对湿度)



Applications 应用

- 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 电气特性

Part number	① Inductance $\mu\text{H} \pm 20\%$	② DC resistance $\text{m}\Omega$ typ max.		③ SRF typical MHz	④ I_{sat} A typical			⑤ I_{rms} A typical	
					10% drop	20% drop	30% drop	20°C rise	40°C rise
PG74-221ML	0.22	1.1	1.2	290	23	40	45	14.5	19.0
PG74-401ML	0.40	1.85	2.04	250	20	35	42	13.1	17.5
PG74-681ML	0.68	3.1	3.41	105	19	29	40	11.5	16.2
PG74-102ML	1.0	4.6	5.06	85	17	20	34	11.0	14.8
PG74-152ML	1.5	6.6	7.26	72	11	19	26	7.5	10.3
PG74-222ML	2.2	11.4	12.5	52	10	16	24	6.0	8.2
PG74-332ML	3.3	17.2	18.9	43	8	13	19	4.5	6.0
PG74-472ML	4.7	19.5	21.45	33	6.8	10	14	4.2	5.7

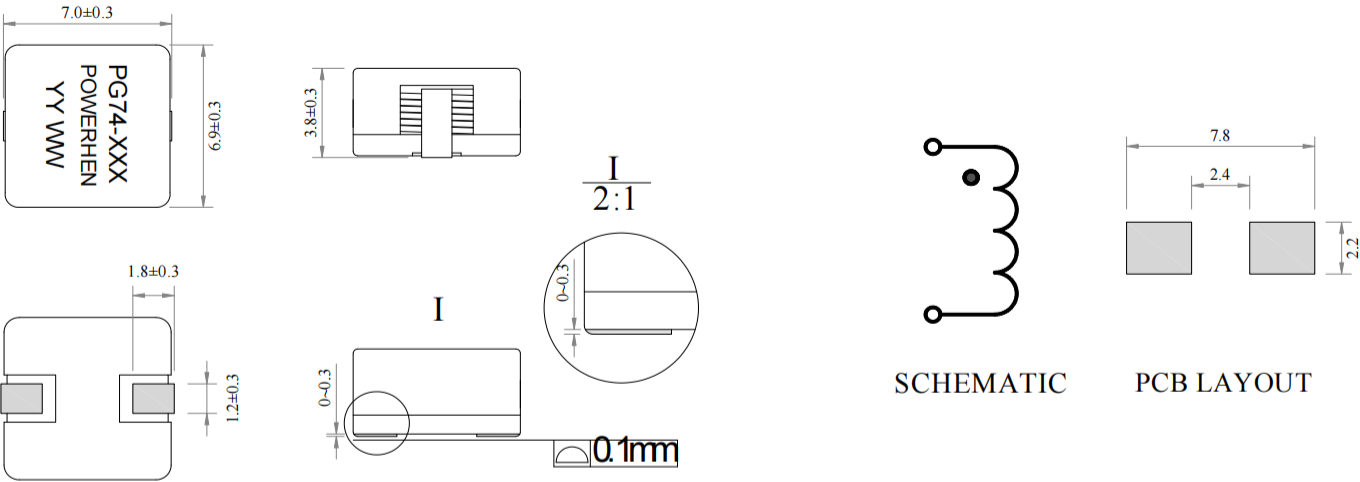
Remark

- ① Inductance is measured with a LCR meter Agilent 4284A or equivalent.
Test frequency at 100kHz
- ② DC resistance is measured with Keithley 580 Milliohm Meter, or equivalent.
Reference ambient temperature 25°C
- ③ SRF measured using an Agilent 4395A network analyzer and an Agilent 16193A test fixture.
- ④ DC current at 25°C that causes the specified Inductance drop from its value without current.
- ⑤ Current that causes the specified temperature rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
- ⑥ Electrical specifications at 25°C

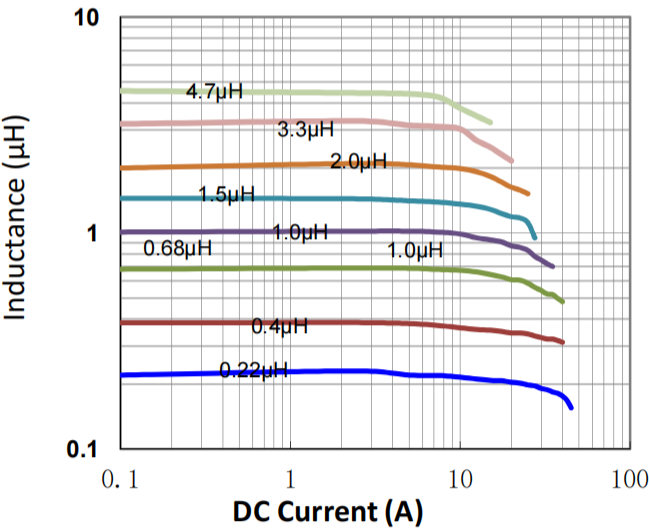
备注

- ① 电感量测试采用 Agilent 4284A 数字电桥或同等仪器;
测试频率 100KHz
- ② 直流电阻测试采用 Keithley 580 毫欧表或同等仪器;
环境温度 25°C
- ③ SRF 使用 Agilent 4395A 网络分析仪和 Agilent 16193A 测试夹具测量。
- ④ 直流电流在 25°C , 加载导致指定电感从没有电流的值下降。
- ⑤ 导致指定温度从 25°C 环境温度上升的电流。此信息仅供参考, 不代表绝对最大额定值。
- ⑥ 25°C 时的电气规格

Dimensions 结构尺寸

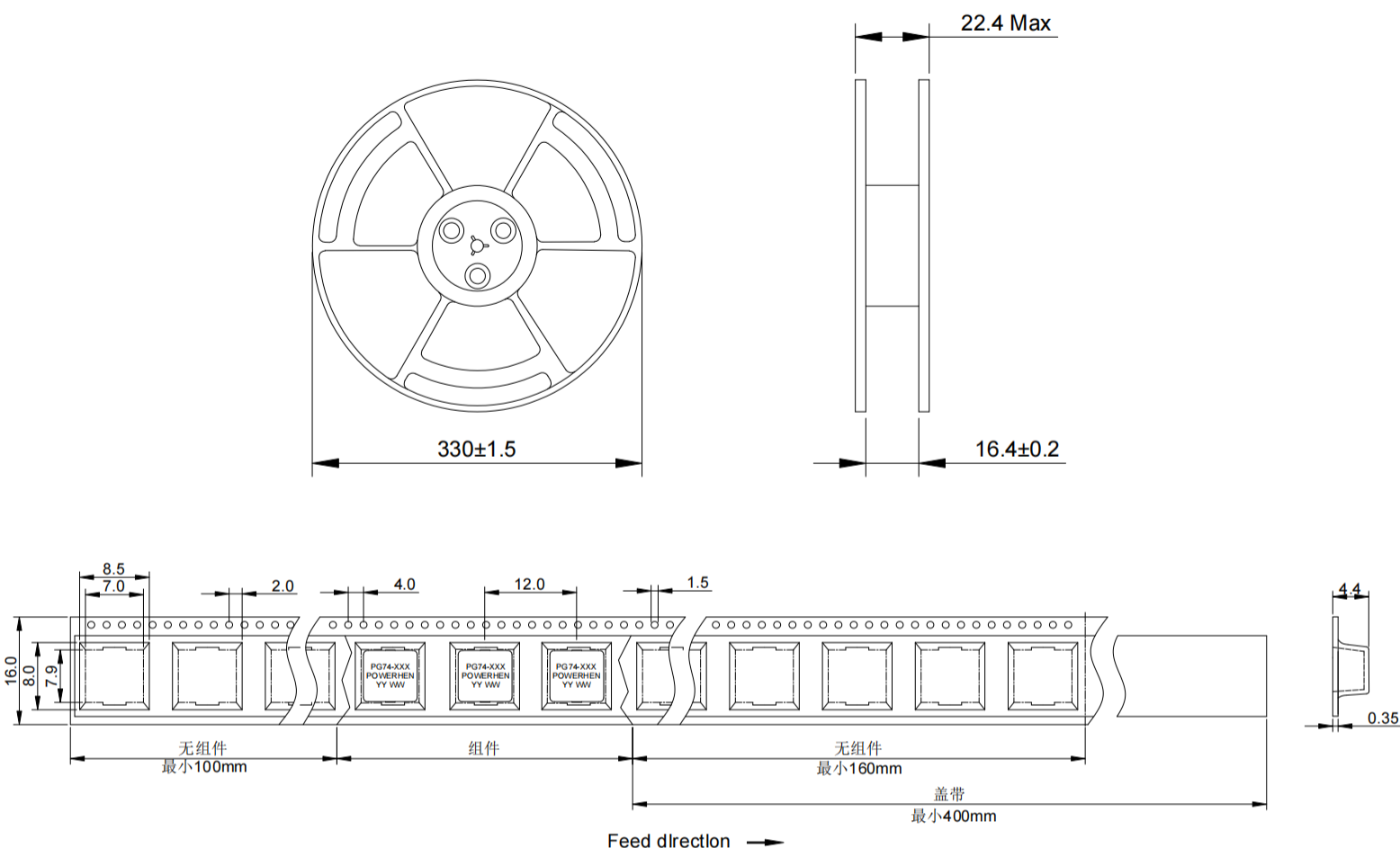


Electrical Characteristic Curve 电气特性曲线



■ Packaging Specification - Tape and Reel: [mm]

包装规格 - 卷带包装: [mm]



Weight 重量: $0.82 \sim 0.86$ g/PCS

Packaging 包装数量: 1000 PCS/Reel