

■PG189B Series

Features 特点

- Susing 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°C~+125°C. 工作温度: -40°C~+125°C
- Tape and reel packaging: -40°C to +80°C 卷带包装: -40°C 至 +80°C
- Resistance to soldering heat Max three 40 second reflows at +260°C,
parts cooled to room temperature between cycles
耐焊接热最多三个 40 秒回流 +260°C, 部件在循环之间冷却至室温
- Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C /
85% relative humidity)
湿气敏感度等级 (MSL) 1 (在 <30°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 m Ω typ max.		③ SRF typical MHz	④ Isat A typical			⑤ Irms A typical	
					10% drop	20% drop	30% drop	20°C rise	40°C rise
PG189B-821ML	0.82	0.54	0.6	85	42	51	65	41.5	65.3
PG189B-132ML	1.3	0.94	1.03	78	33	48	62	34.5	47.7
PG189B-192ML	1.9	1.20	1.32	51	29	40	52	32.5	42.1
PG189B-262ML	2.6	1.58	1.74	42	21.5	35	50.5	31.5	36.8
PG189B-352ML	3.5	3.1	3.4	38	20	29	40	22.5	24.2
PG189B-452ML	4.5	3.4	3.74	35	17	28	39	20.5	23
PG189B-562ML	5.6	3.7	4.1	28	16	25	34	19	22.8
PG189B-682ML	6.8	4.1	4.5	24	14	22	31	18.5	22
PG189B-103ML	10	6.9	7.6	14	12	19	26	15	16.5

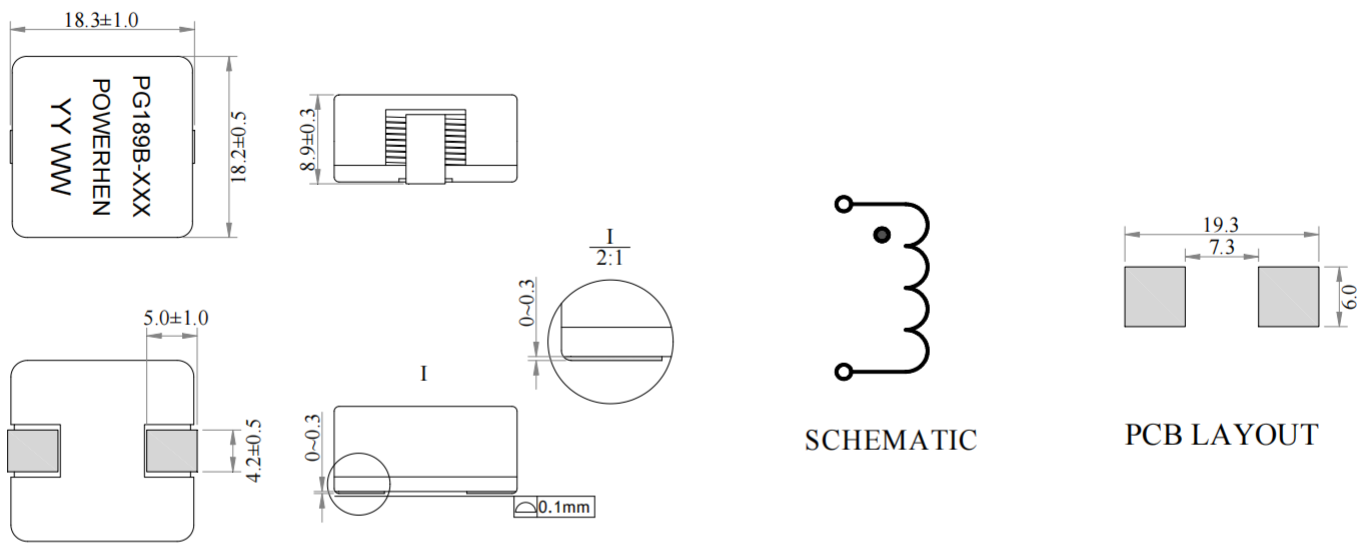
Remark

- 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

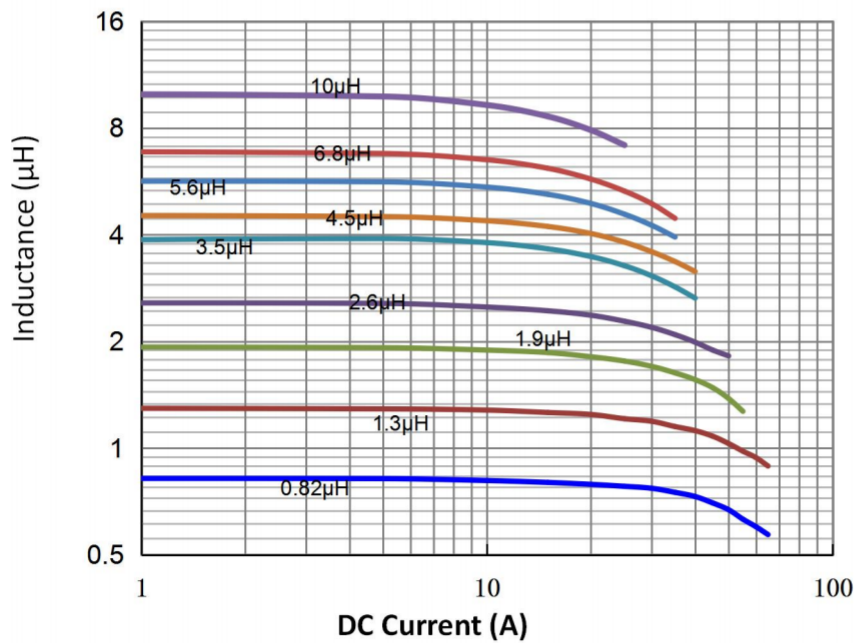
备注

- 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

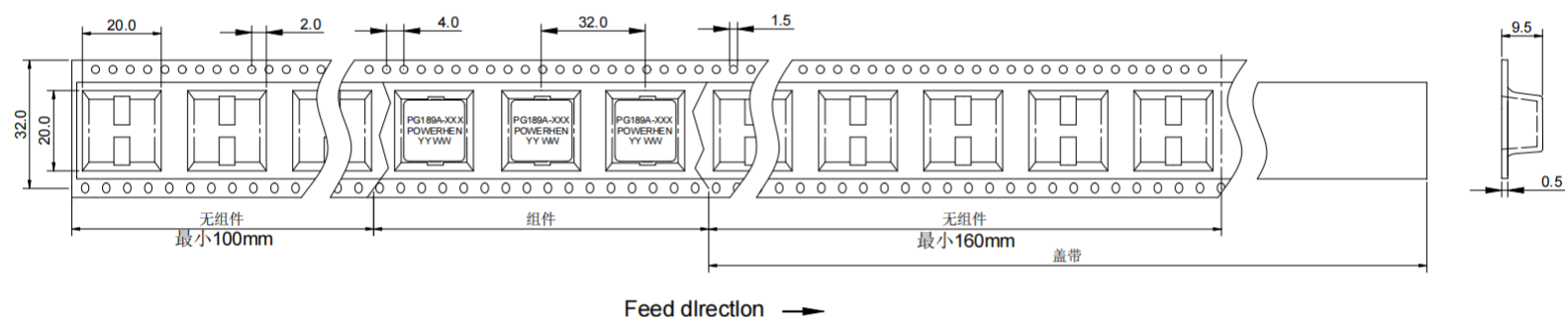
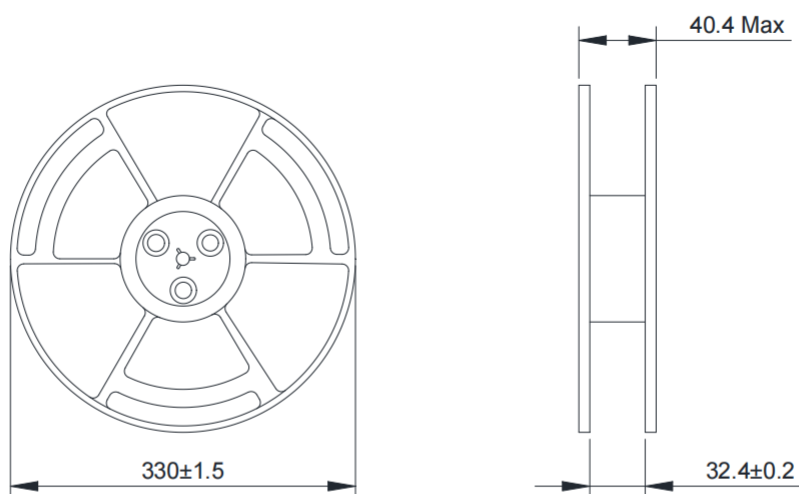


Electrical Characteristic Curve 电气特性曲线



■ Packaging Specification - Tape and Reel: [mm]

包装规格 - 卷带包装: [mm]



Weight 重量: 13.16~15.16g/PCS

Packaging 包装数量: 150 PCS/Reel