芯芒微电子

XINMANG MICROELECTRONICS

POWERHEN

Electronics

产品规格书

PG189B

贴片大电流功率电感

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样品申请 · 替代选型 · 批量报价，欢迎来函来电

SMD HIGH CURRENT POWER INDUCTOR 贴片大电流功率电感

■ 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℃~+125℃. 工作温度：-40℃~+125℃
- 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 /85% 相对湿度时的无限制）



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	①Inductance μH±20%	②DC resistance mΩ typ	②DC resistance mΩ max.	③SRF typical MHz	④Isat A typical 10% drop	④Isat A typical 20% drop	④Isat A typical 30% drop	⑤Irms A typical 20℃rise	⑤Irms A typical 40℃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

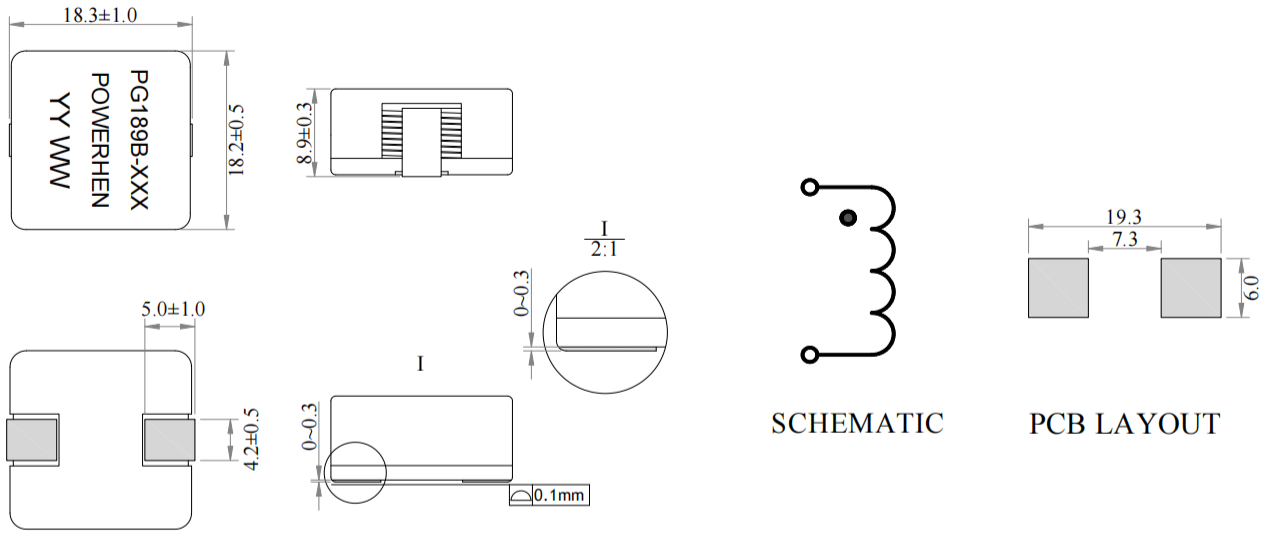
①Inductance is measured with a LCR meter Agilent 4284A or equivalent.Test frequency at 100kHz 1V
②DC resistance is measured with keithley 580 Milliohm Meter , or equivalent.Reference ambient temperature 25°C
③SRF measured using an Agilent 4395A network analyzer and an Agilent 16193A test fixture.
④DC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

备注

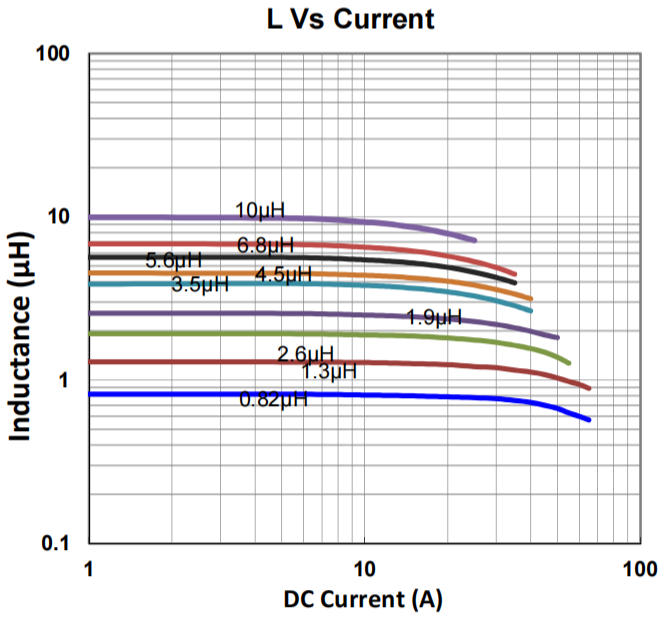
①电感量测试采用 Agilent 4284A 数字电桥或同等仪器；
测试频率 100KHz 1V
②直流电阻测试采用 keithley 580 毫欧表或同等仪器；
环境温度 25° C
③SRF 使用 Agilent 4395A 网络分析仪和 Agilent 16193A 测试夹具测量。
④直流电流在 25° C，加载导致指定电感从没有电流的值下降。
⑤导致指定温度从 25° C 环境温度上升的电流。 此信息仅供参考，不代表绝对最大额定值。
⑥25° C 时的电气规格

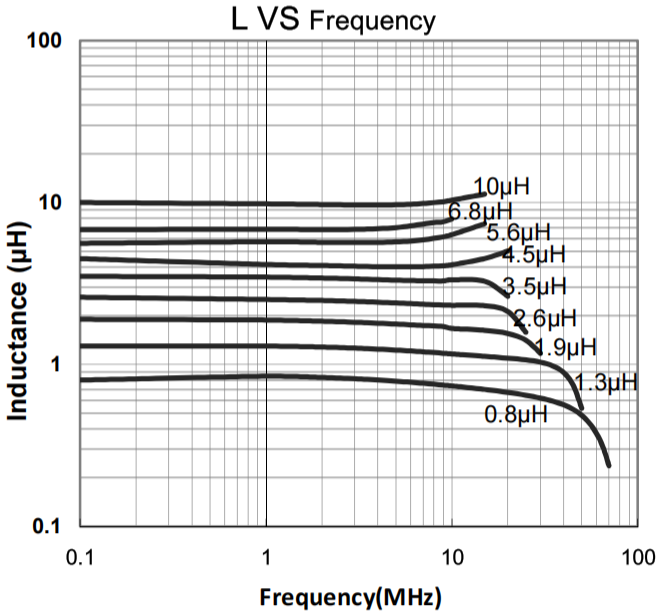
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■ Dimensions 结构尺寸



■ Electrical Characteristic Curve 电气特性曲线

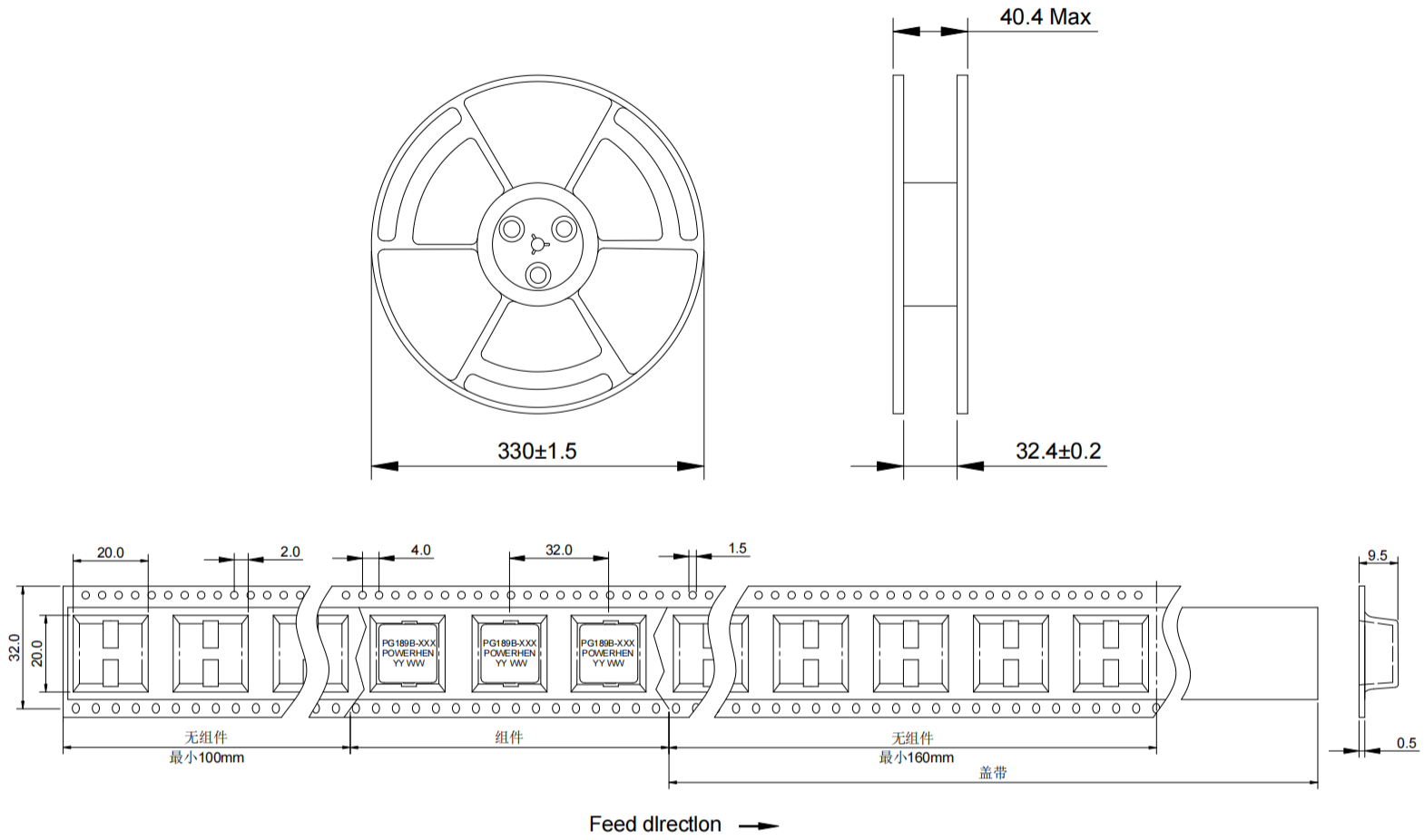




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■ Packaging Specification - Tape and Reel: [mm]

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