

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℃~+150℃.
工作温度：-40℃~+150℃



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
- Laptops, Graphic cards, Motherboards. 笔记本、显卡、主板等

Electrical characteristics

Part number 料号	Inductance 电感量 μH	DC resistance 直流电阻 mΩ max(typ.)	DC saturation current 直流饱和电流 A max.			Temperature rise current 温升电流 A max.	
			ΔL ≤ 10%	ΔL ≤ 20%	ΔL ≤ 30%	ΔT ≤ 20℃	ΔT ≤ 40℃
PGF54-331	0.33 ± 20%	2.0(1.7)	9.0	14.8	20.0	12.1	16.4
PGF54-471	0.47 ± 20%	3.1(2.7)	9.6	13.6	16.0	9.9	13.8
PGF54-681	0.68 ± 20%	4.6(3.9)	6.6	10.3	13.5	8.0	11.3
PGF54-102	1.0 ± 20%	6.0(5.0)	6.0	8.2	11.5	7.3	10.2
PGF54-152	1.5 ± 20%	9.4(7.2)	5.0	7.5	9.0	5.9	8.2
PGF54-222	2.2 ± 20%	13.0(12.2)	3.2	5.0	7.5	5.0	6.8
PGF54-332	3.3 ± 20%	21.3(18.3)	2.6	4.0	5.8	3.8	5.2
PGF54-472	4.7 ± 20%	27.0(25.8)	2.5	3.7	4.7	3.2	4.3
PGF54-562	5.6 ± 20%	39.8(36.9)	2.5	3.5	4.6	3.0	4.1

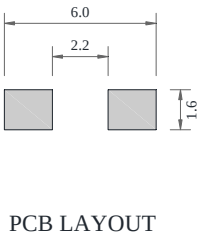
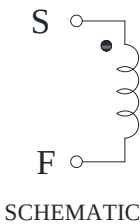
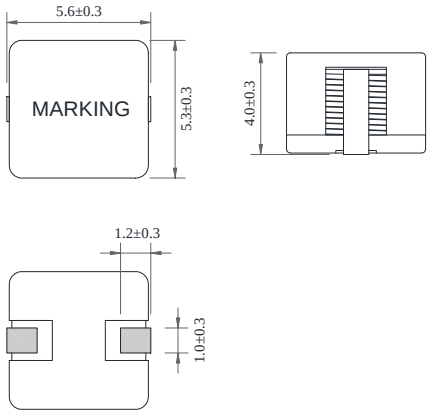
Remark

- 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℃

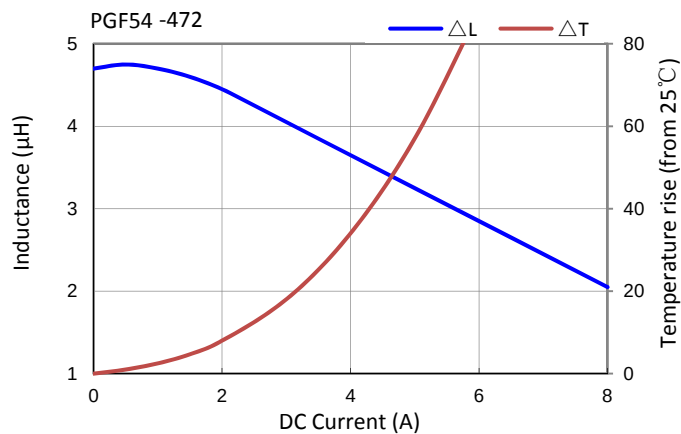
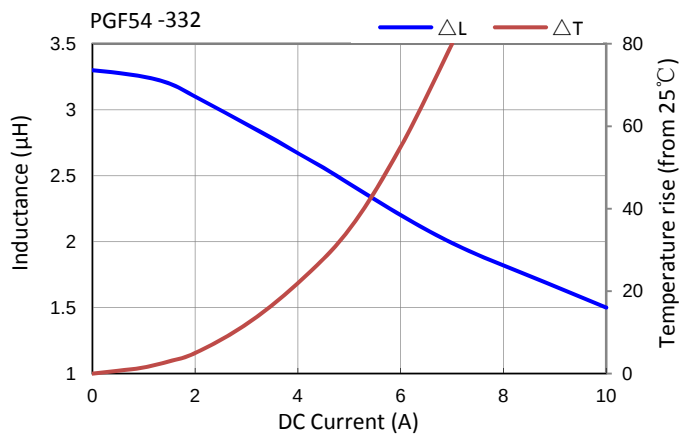
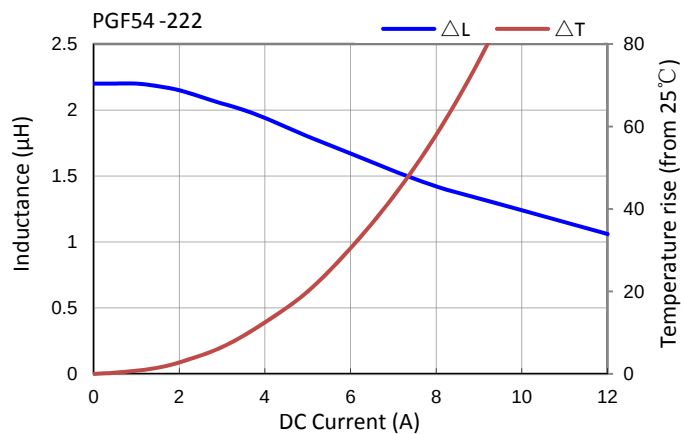
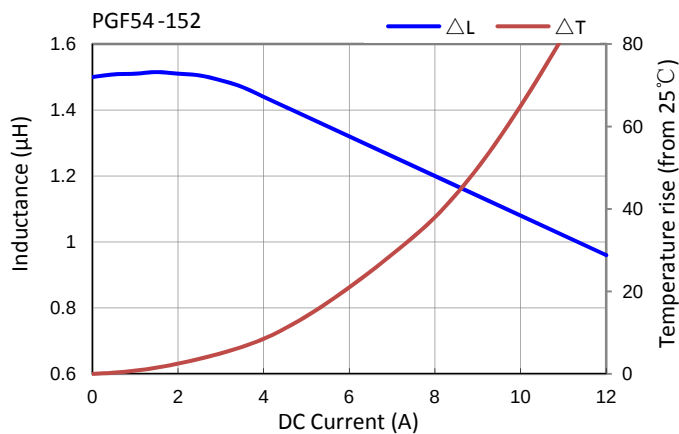
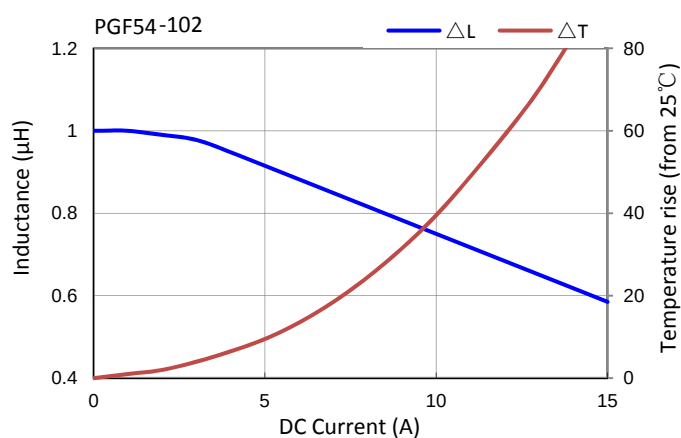
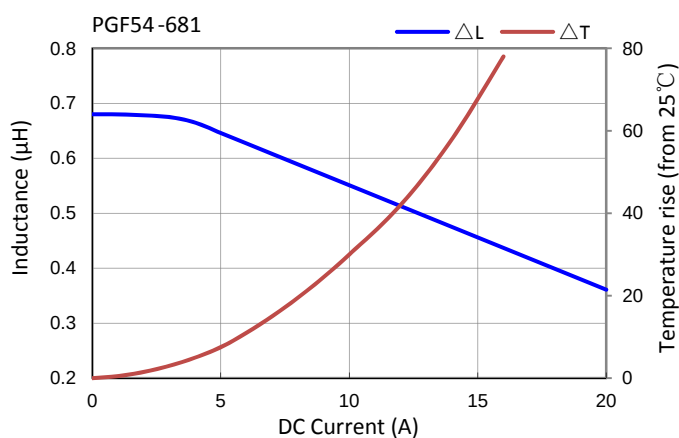
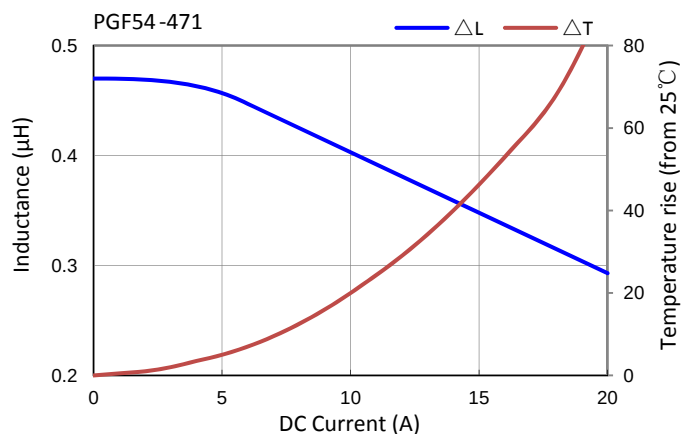
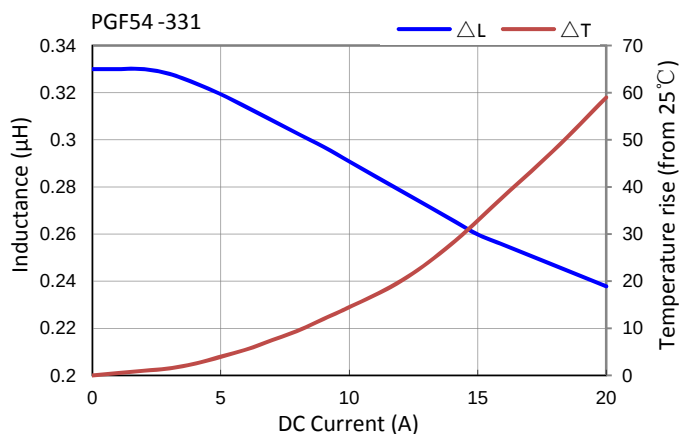
备注

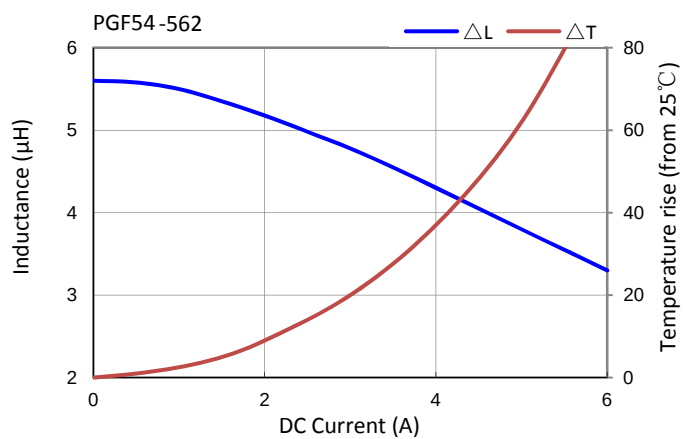
- 电感量测试采用 4284A 数字电桥或同等仪器；
测试频率 100KHz
- 直流电阻测试采用 16502 毫欧表或同等仪器；
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Dimensions



Electrical Characteristic Curve





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			ΔL ≤ 10%	ΔL ≤ 20%	ΔL ≤ 30%	ΔT ≤ 20℃	ΔT ≤ 40℃
PGF73 -131	0.13 ± 20%	1.1(0.9)	16.0	32.0	48.0	15.5	21.0
PGF73 -241	0.24 ± 20%	2.1(1.9)	16.3	28.0	40.0	11.0	16.0
PGF73 -521	0.52 ± 20%	4.3(3.7)	8.5	15.2	20.0	9.0	13.0
PGF73 -951	0.95 ± 20%	7.1(6.3)	5.2	9.5	13.0	8.5	11.5
PGF73 -122	1.2 ± 20%	9.9(8.6)	6.8	11.2	13.0	5.9	8.5
PGF73 -152	1.5 ± 20%	14.6(12.7)	4.8	8.5	12.0	5.0	6.8
PGF73 -202	2.0 ± 20%	16.3(14.5)	2.5	5.3	9.0	4.5	6.2

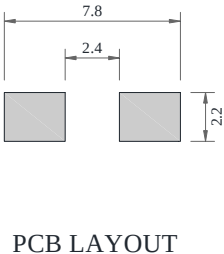
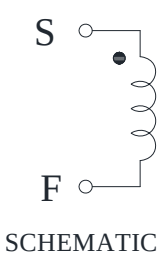
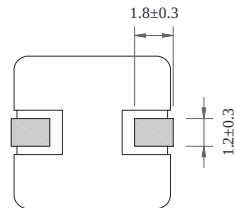
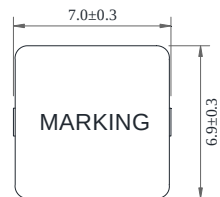
Remark

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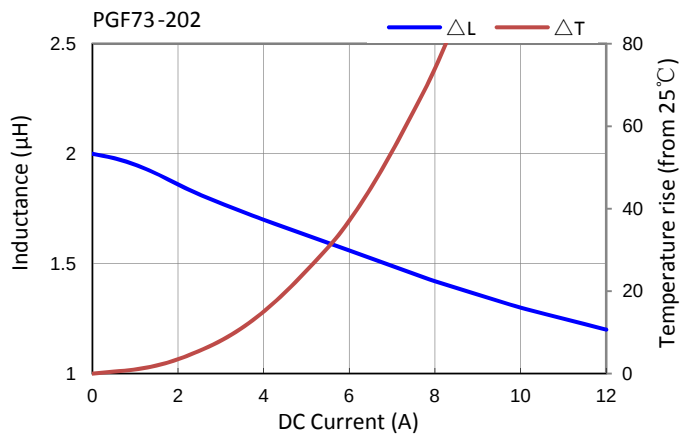
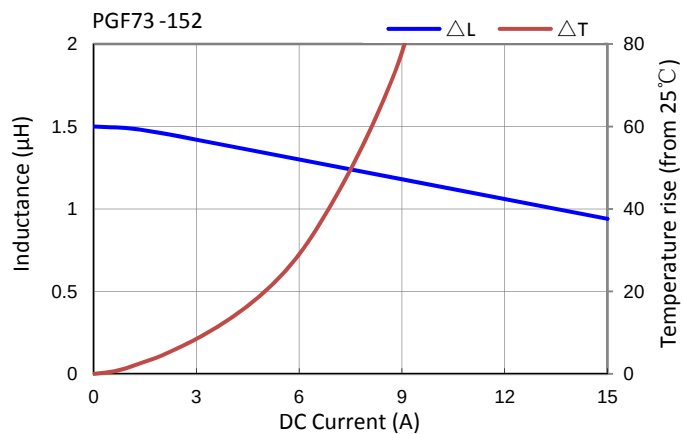
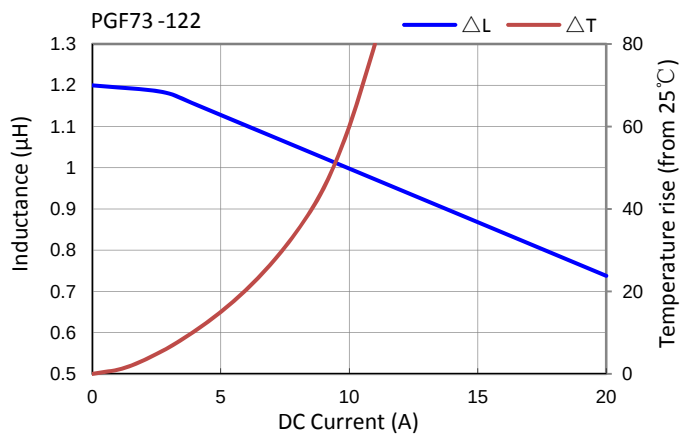
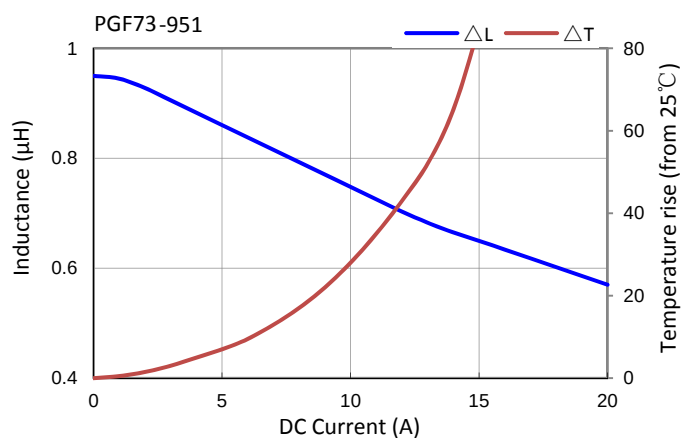
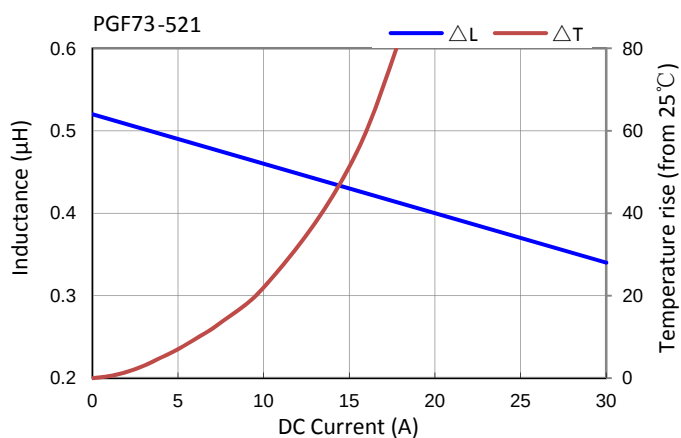
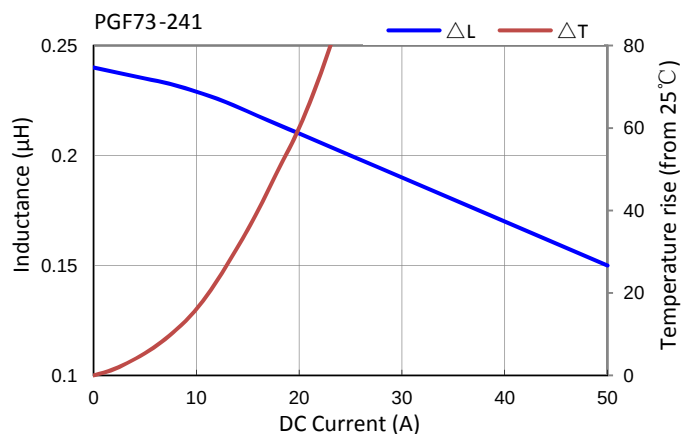
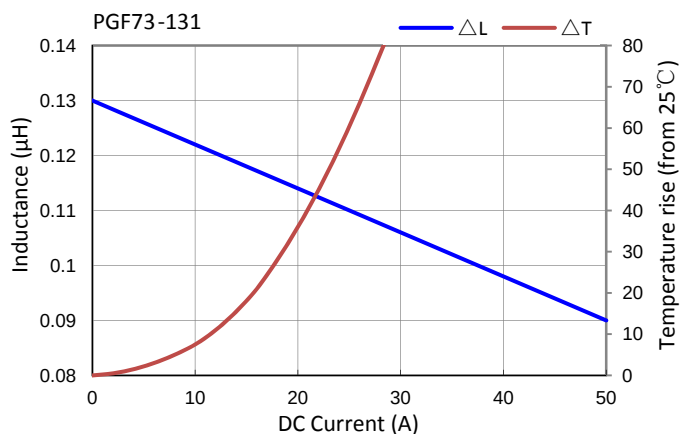
备注

- 电感量测试采用 4284A 数字电桥或同等仪器；
测试频率 100KHz
- 直流电阻测试采用 16502 毫欧表或同等仪器；
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			ΔL ≤ 10%	ΔL ≤ 20%	ΔL ≤ 30%	ΔT ≤ 20°C	ΔT ≤ 40°C
PGF74 -221	0.22 ± 20%	1.3(1.1)	15.0	24.3	32.0	14.5	19.0
PGF74 -401	0.4 ± 20%	2.1(1.9)	10.8	18.8	25.0	13.1	17.5
PGF74 -681	0.68 ± 20%	3.6(3.1)	9.7	15.1	20.0	11.5	16.2
PGF74 -102	1.0 ± 20%	5.3(4.6)	8.0	13.2	19.0	11.0	14.8
PGF74 -152	1.5 ± 20%	7.6(6.7)	4.7	9.0	14.0	7.5	10.3
PGF74 -222	2.2 ± 20%	13.1(11.2)	5.7	9.0	13.0	6.0	8.2
PGF74 -332	3.3 ± 20%	19.8(18.2)	4.5	7.7	11.0	4.5	6.0
PGF74 -472	4.7 ± 20%	22.4(19.8)	2.4	4.7	7.0	4.2	5.7

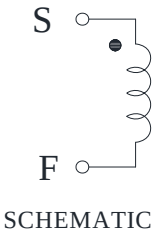
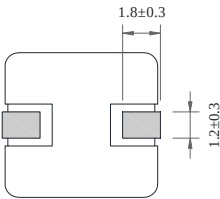
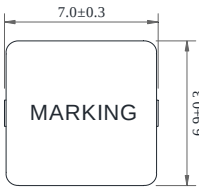
Remark

- 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

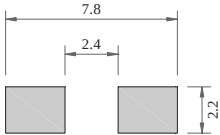
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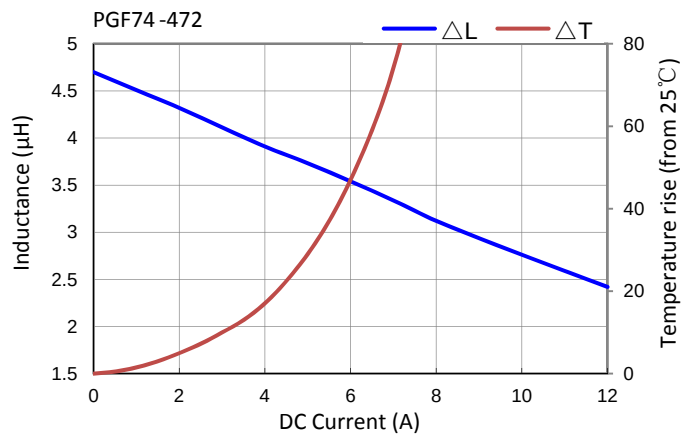
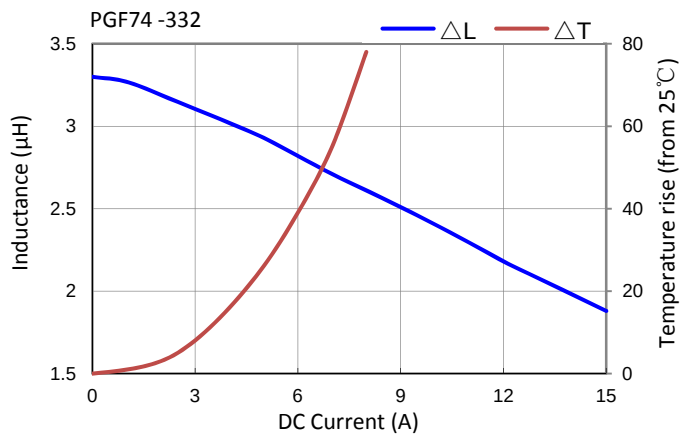
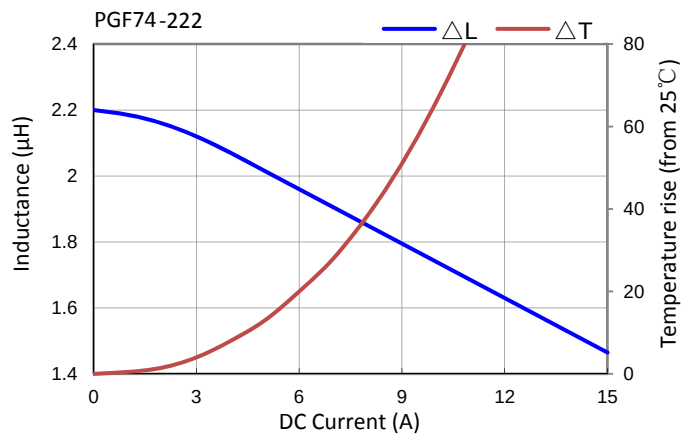
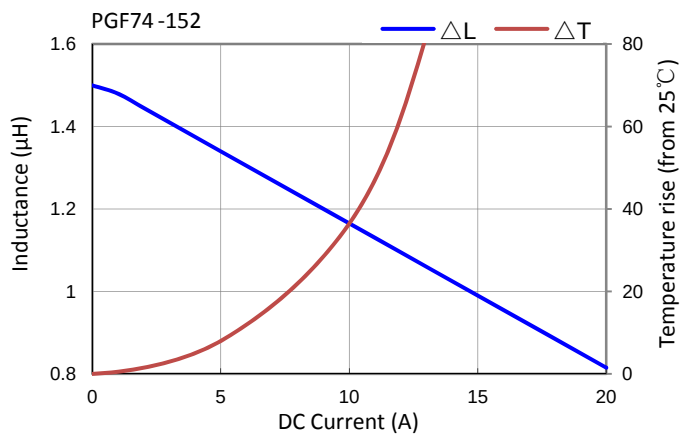
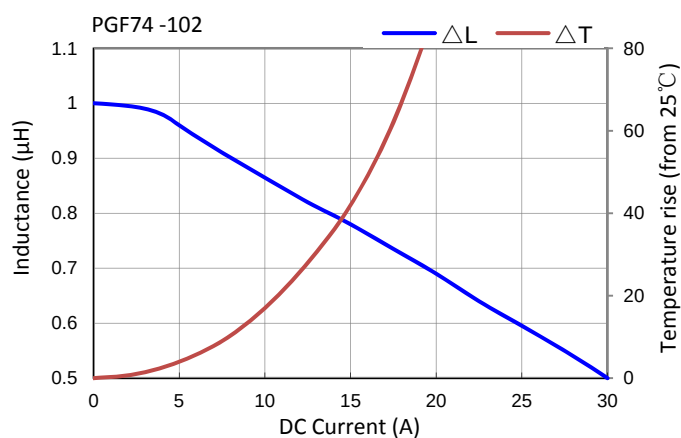
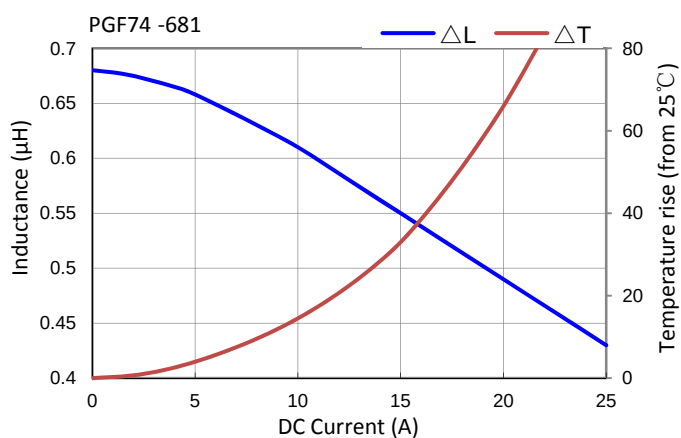
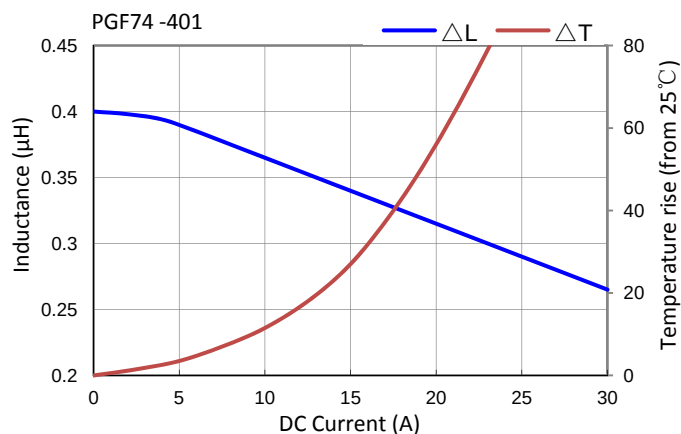
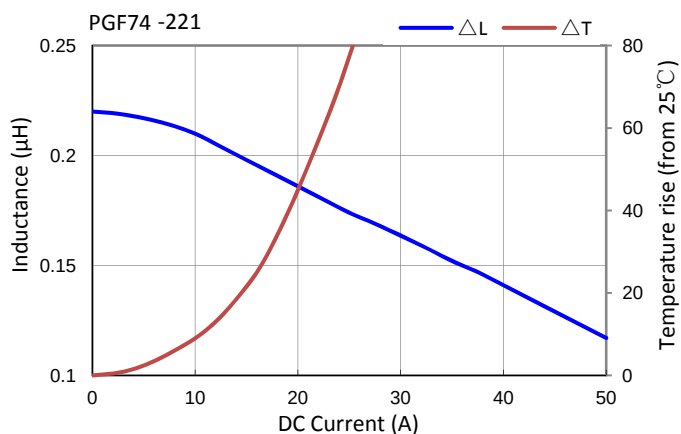


SCHEMATIC



PCB LAYOUT

Electrical Characteristic Curve



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PGF75 -241	0.24 ± 20%	1.2(1.0)	11.7	22.1	28.0	12.5	17.6
PGF75 -471	0.47 ± 20%	1.6(1.4)	9.6	18.4	20.0	10.3	16.0
PGF75 -761	0.76 ± 20%	2.6(2.2)	6.5	12.0	15.0	9.2	14.0
PGF75 -112	1.1 ± 20%	3.6(3.2)	5.8	10.0	13.0	9.1	13.2
PGF75 -152	1.5 ± 20%	5.0(4.4)	4.8	8.0	11.0	8.0	11.1
PGF75 -202	2.0 ± 20%	6.7(5.9)	4.5	7.2	9.0	7.8	10.7
PGF75 -332	3.3 ± 20%	10.4(9.0)	3.4	5.4	8.0	6.1	8.3
PGF75 -492	4.9 ± 20%	16.7(14.0)	2.3	4.1	6.5	5.2	6.9
PGF75 -652	6.5 ± 20%	24.7(22.8)	1.9	3.9	6.0	4.2	5.9
PGF75 -762	7.6 ± 20%	32.8(26.4)	2.1	4.0	4.8	2.7	3.8
PGF75 -852	8.5 ± 20%	35.0(30.6)	1.9	3.5	4.5	2.5	3.6
PGF75 -103	10.0 ± 20%	38.0(35.6)	1.8	3.0	4.0	2.2	3.3

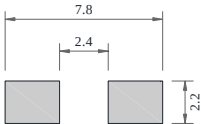
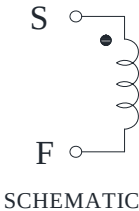
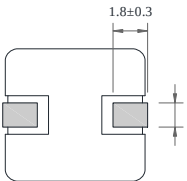
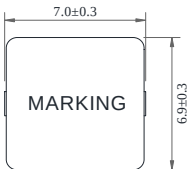
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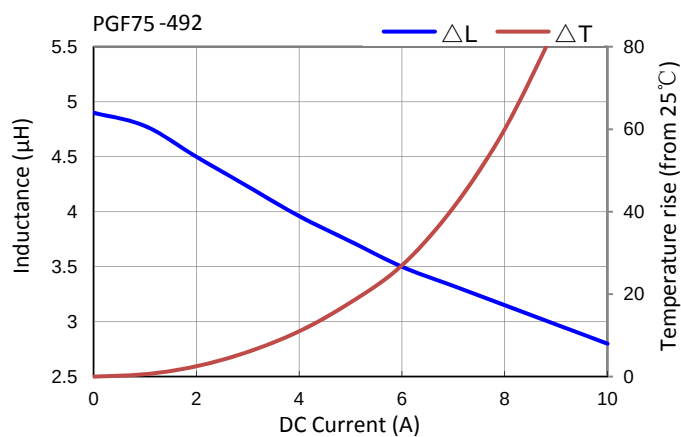
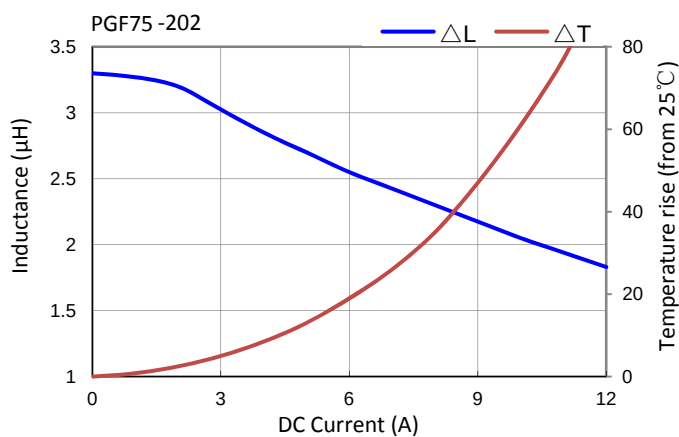
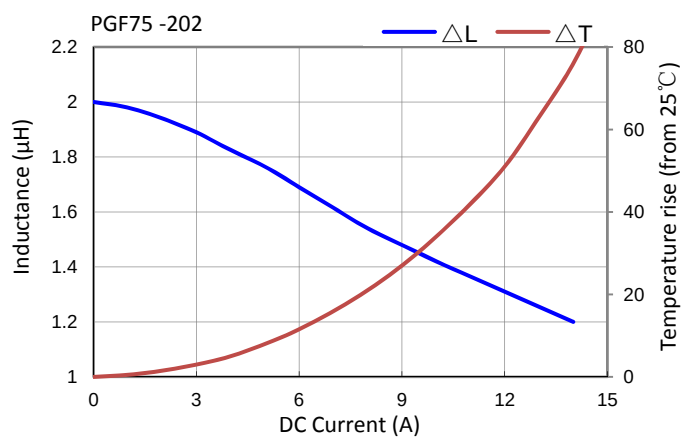
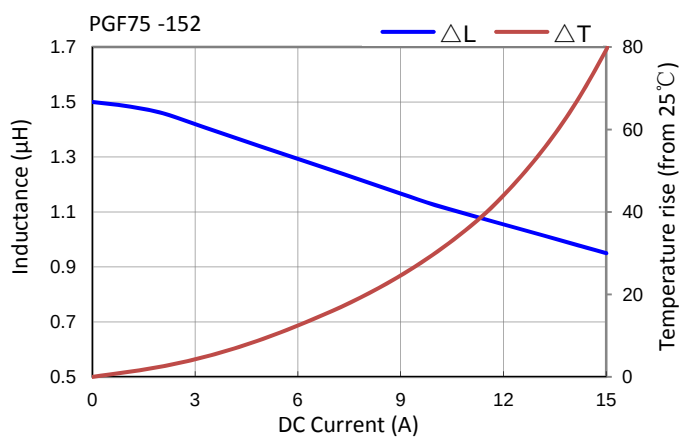
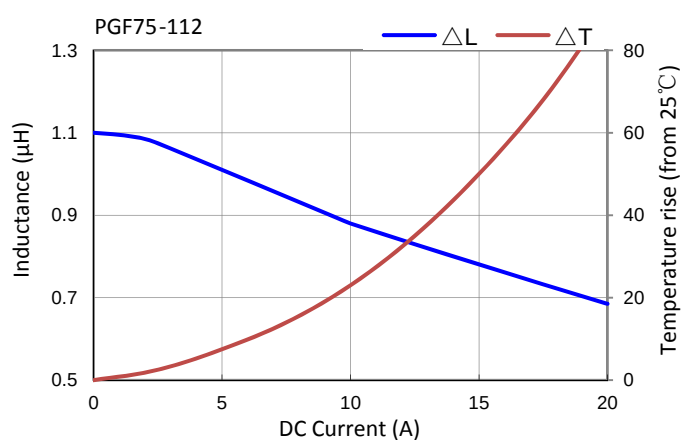
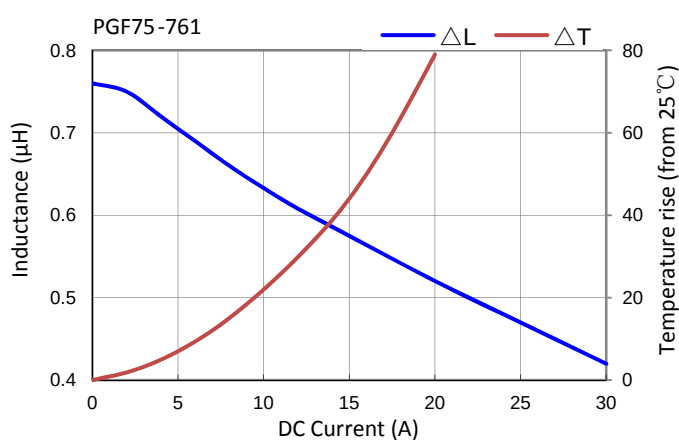
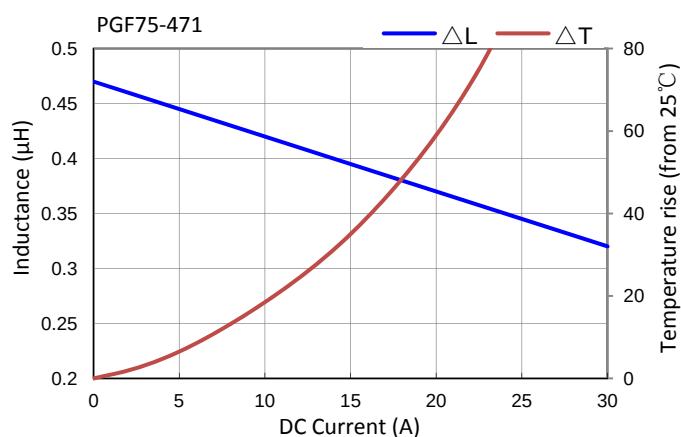
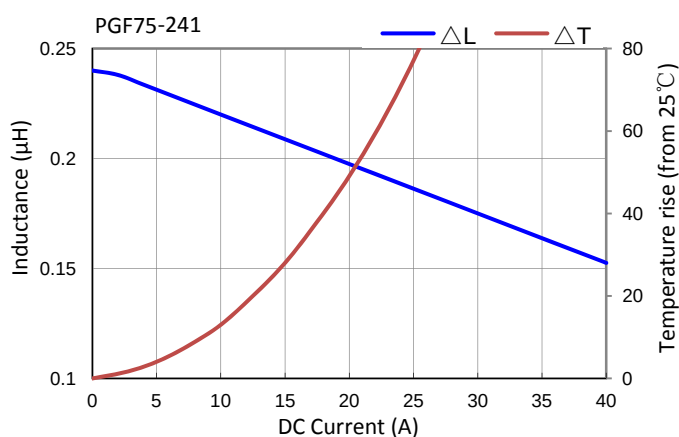
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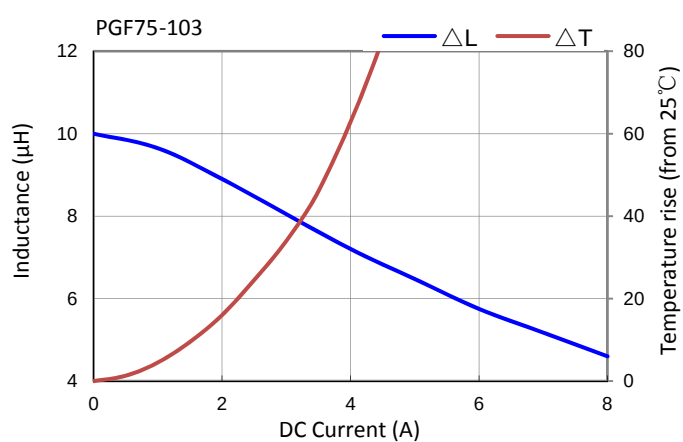
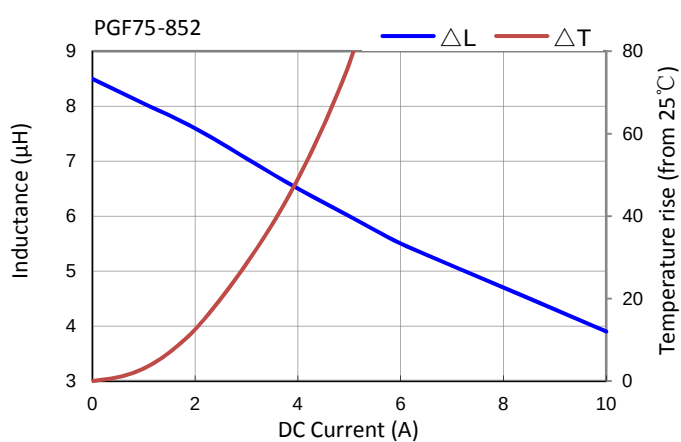
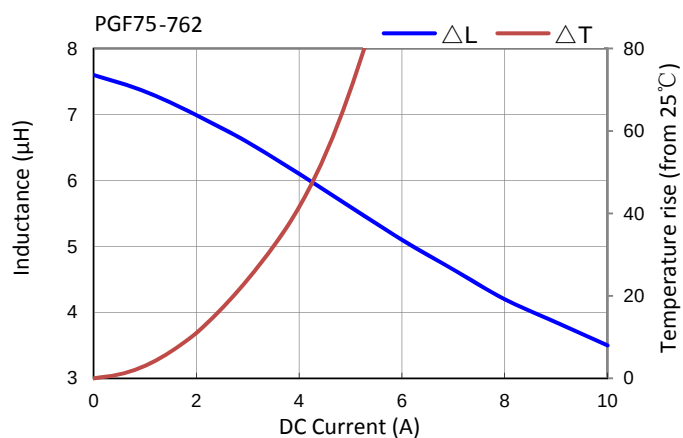
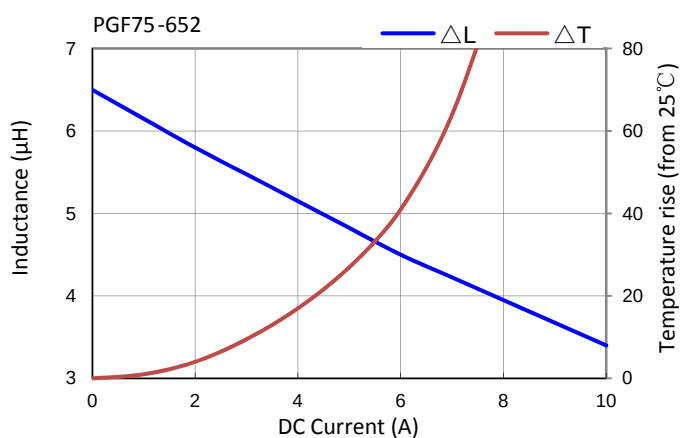
Dimensions



Electrical Characteristic Curve

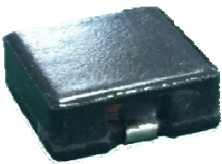


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- Laptops, Graphic cards, Motherboards. 笔记本、显卡、主板等

Electrical characteristics

Part number 料号	Inductance 电感量 μH	DC resistance 直流电阻 mΩ max(typ.)	DC saturation current 直流饱和电流 A max.			Temperature rise current 温升电流 A max.	
			ΔL ≤ 10%	ΔL ≤ 20%	ΔL ≤ 30%	ΔT ≤ 20℃	ΔT ≤ 40℃
PGF103-201	0.2 ± 20%	1.0(0.9)	20.0	35.0	50.0	15.0	20.3
PGF103-331	0.33 ± 20%	2.5(2.1)	14.7	24.6	36.0	11.0	16.0
PGF103-561	0.56 ± 20%	2.5(2.1)	14.0	23.2	33.0	11.0	16.0
PGF103-681	0.68 ± 20%	5.5(3.9)	11.0	15.8	21.0	9.1	12.5
PGF103-102	1.0 ± 20%	5.5(3.9)	10.0	15.6	21.0	9.1	12.5
PGF103-122	1.2 ± 20%	7.6(6.3)	7.0	10.7	15.0	7.8	10.7
PGF103-152	1.5 ± 20%	7.6(6.3)	7.6	12.3	18.0	7.8	10.7
PGF103-222	2.2 ± 20%	13.1(12.4)	6.8	10.5	15.0	6.8	8.7

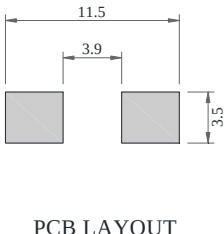
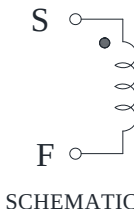
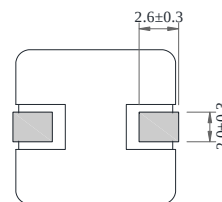
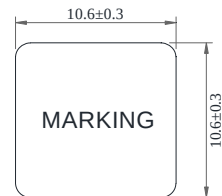
Remark

- 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℃

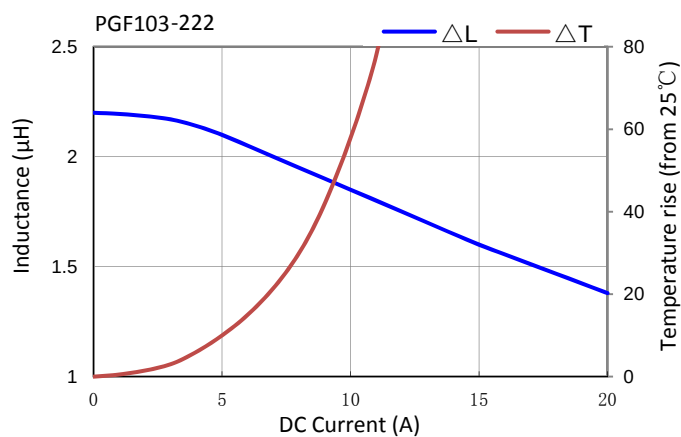
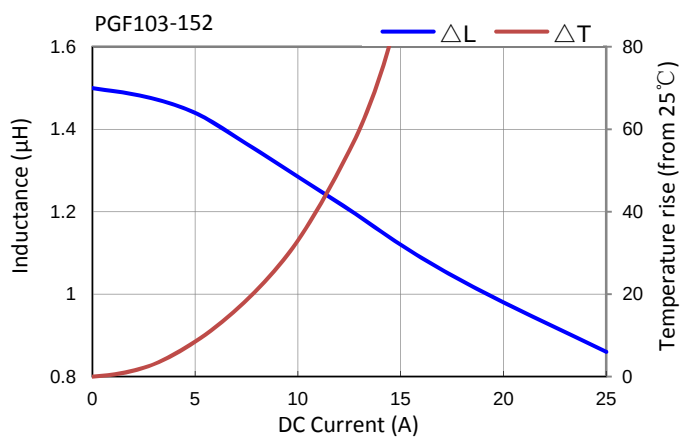
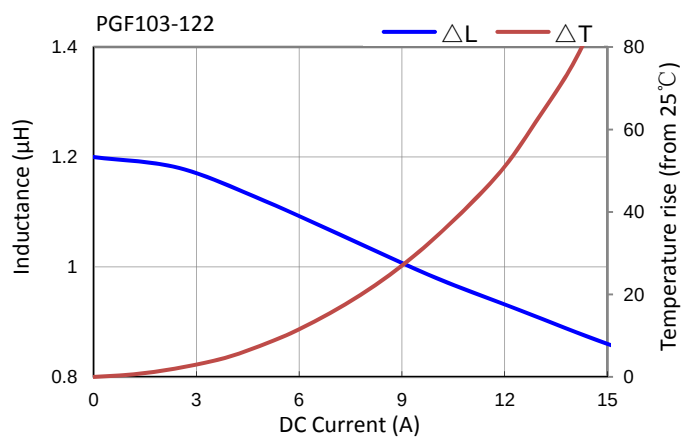
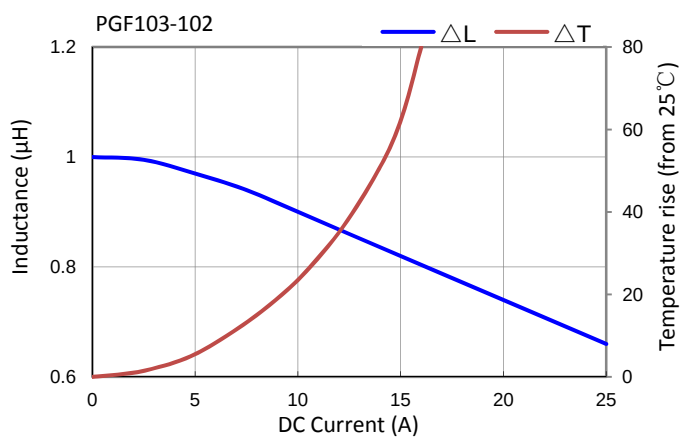
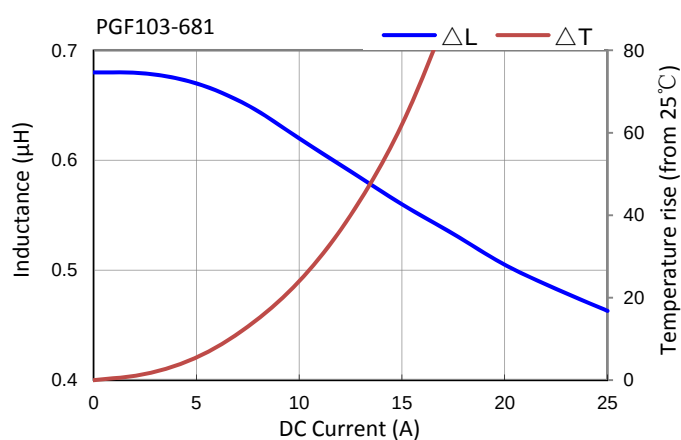
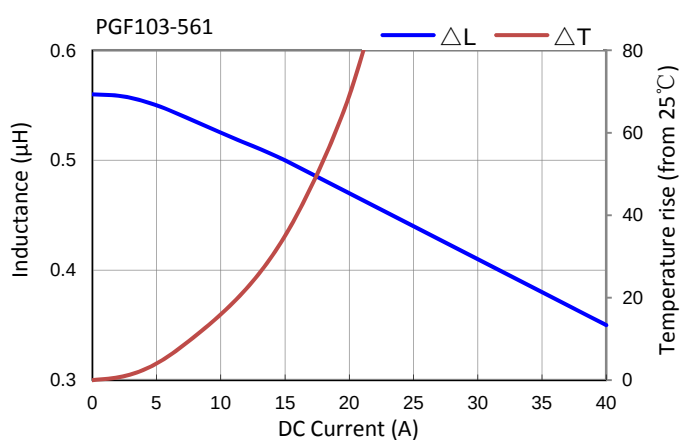
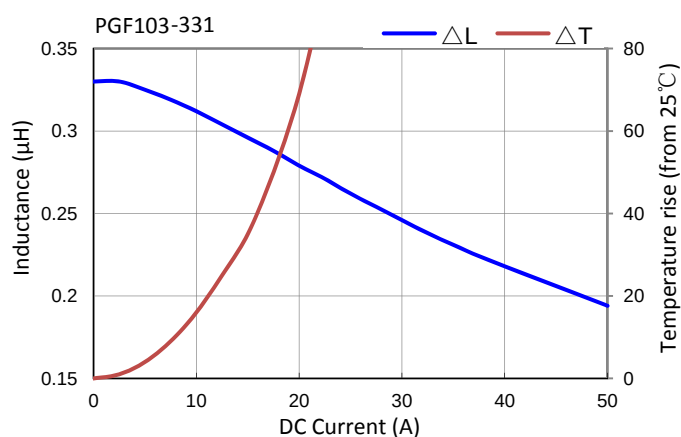
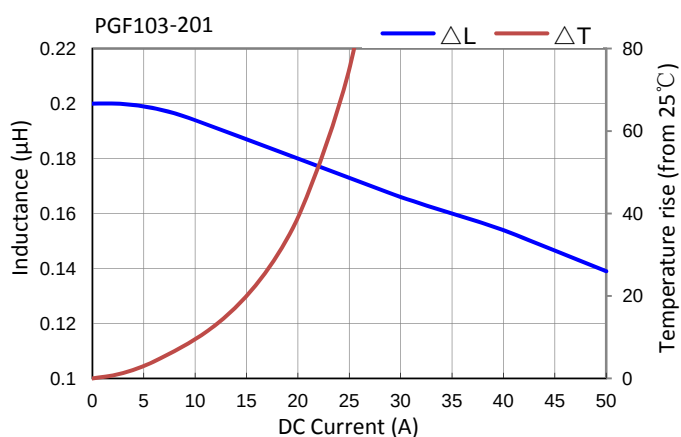
备注

- 电感量测试采用 4284A 数字电桥或同等仪器；
测试频率 100KHz
- 直流电阻测试采用 16502 毫欧表或同等仪器；
环境温度 25℃

Dimensions



Electrical Characteristic Curve



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℃~+150℃.
工作温度：-40℃~+150℃



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
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Electrical characteristics

Part number 料号	Inductance 电感量 μH	DC resistance 直流电阻 mΩ max(typ.)	DC saturation current 直流饱和电流 A max.			Temperature rise current 温升电流 A max.	
			ΔL ≤ 10%	ΔL ≤ 20%	ΔL ≤ 30%	ΔT ≤ 20℃	ΔT ≤ 40℃
PGF104-301	0.3 ± 20%	1.3(1.1)	13.0	22.5	35.0	13.0	18.2
PGF104-561	0.56 ± 20%	2.2(1.9)	12.6	22.0	30.0	11.8	17.1
PGF104-102	1.0 ± 20%	3.8(3.2)	7.2	12.6	20.0	10.2	14.0
PGF104-152	1.5 ± 20%	6.1(4.6)	6.5	11.2	17.0	8.5	12.0
PGF104-202	2.0 ± 20%	8.4(6.2)	5.0	8.1	13.0	6.8	9.7
PGF104-282	2.8 ± 20%	12.2(10.7)	4.7	7.9	11.0	6.0	8.4
PGF104-432	4.3 ± 20%	16.2(14.8)	3.2	5.4	8.0	5.2	7.2
PGF104-562	5.6 ± 20%	23.7(21.4)	3.0	5.1	7.5	4.3	6.2

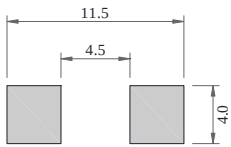
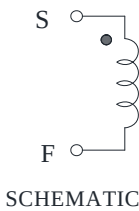
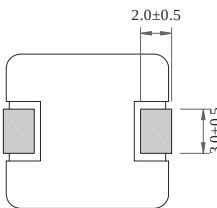
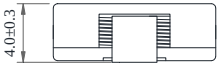
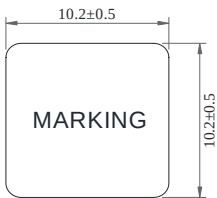
Remark

- 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℃

备注

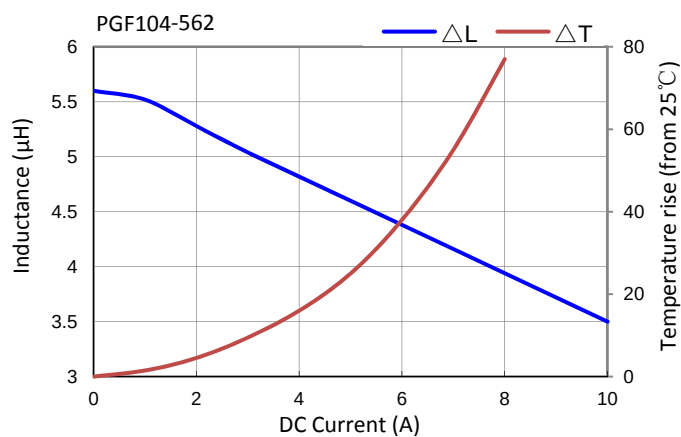
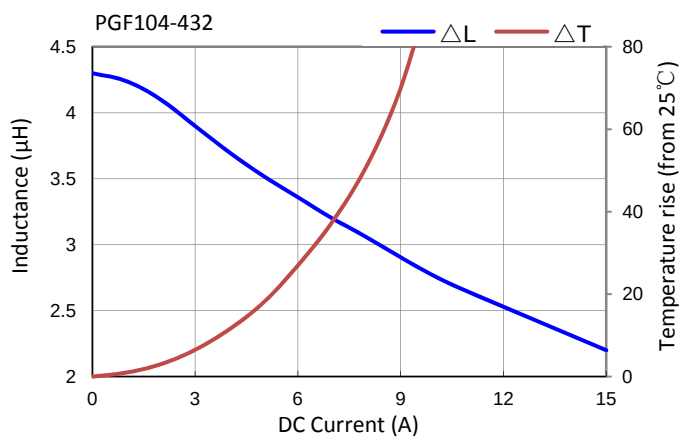
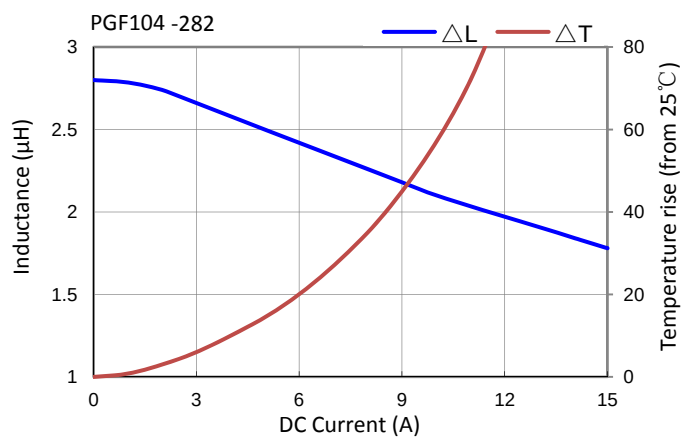
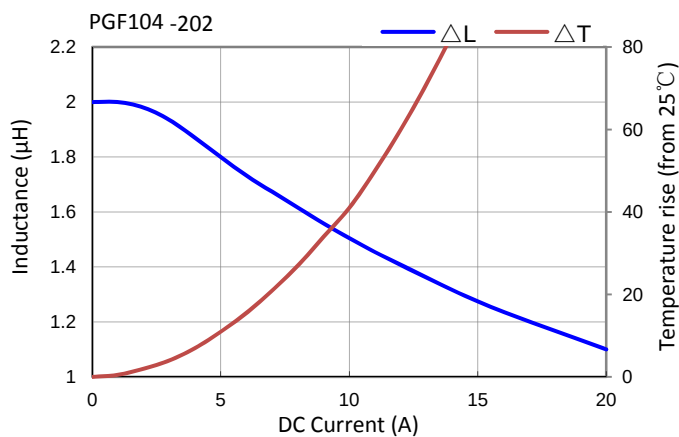
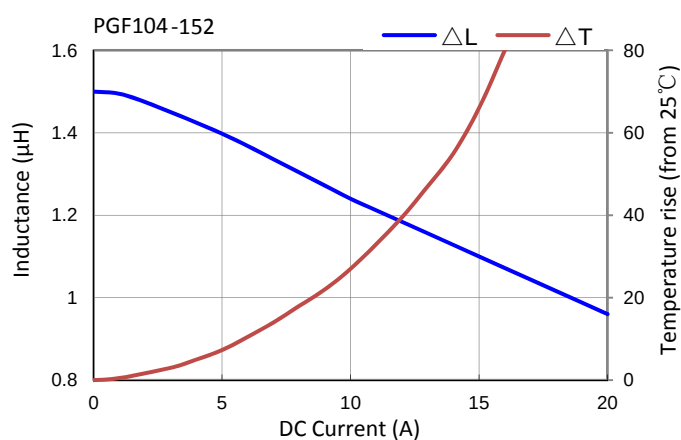
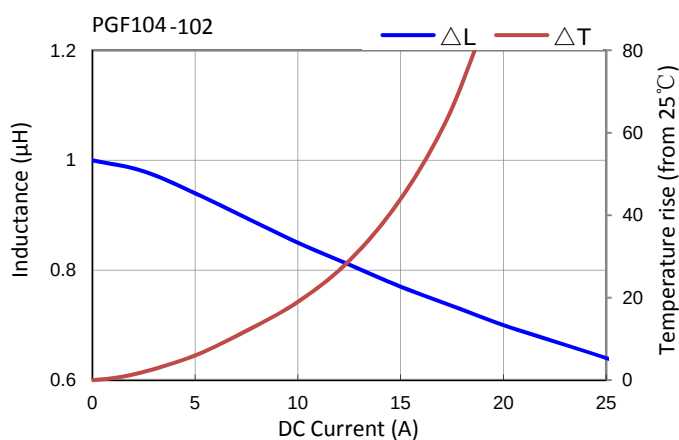
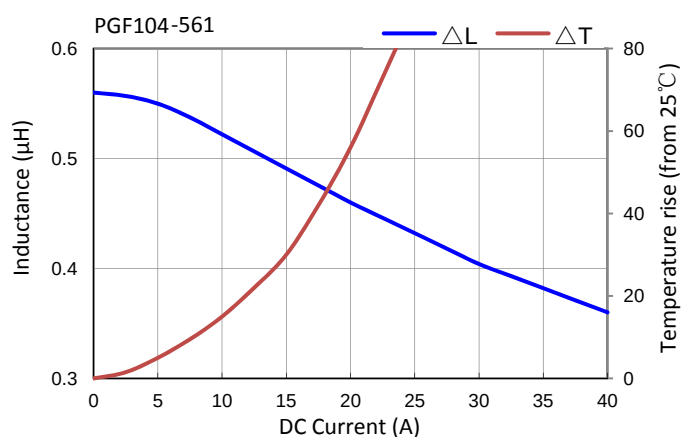
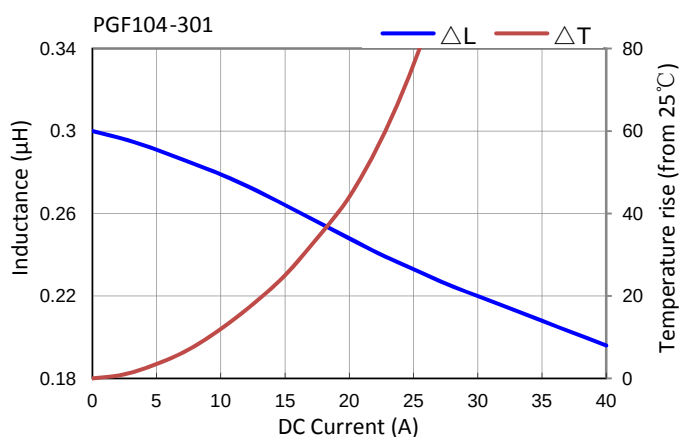
- 电感量测试采用 4284A 数字电桥或同等仪器；
测试频率 100KHz
- 直流电阻测试采用 16502 毫欧表或同等仪器；
环境温度 25℃

Dimensions



PCB LAYOUT

Electrical Characteristic Curve



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℃~+150℃.
工作温度：-40℃~+150℃



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
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Electrical characteristics

Part number 料号	Inductance 电感量 μH	DC resistance 直流电阻 mΩ max(typ.)	DC saturation current 直流饱和电流 A max.			Temperature rise current 温升电流 A max.	
			ΔL ≤ 10%	ΔL ≤ 20%	ΔL ≤ 30%	ΔT ≤ 20℃	ΔT ≤ 40℃
PGF105-161	0.16 ± 20%	0.6(0.5)	24.5	44.3	58.0	16.0	23.0
PGF105-401	0.4 ± 20%	0.9(0.7)	15.0	27.6	37.0	15.0	21.2
PGF105-721	0.72 ± 20%	1.5(1.3)	12.1	23.2	35.0	13.0	18.4
PGF105-122	1.2 ± 20%	2.3(2.0)	11.0	21.2	25.0	13.5	18.2
PGF105-182	1.8 ± 20%	4.0(3.1)	6.2	12.8	18.0	11.0	15.2
PGF105-242	2.4 ± 20%	5.5(4.2)	6.1	12.6	17.0	8.0	12.2
PGF105-332	3.3 ± 20%	6.8(5.8)	5.0	10.2	15.0	7.8	11.4
PGF105-422	4.2 ± 20%	8.2(7.0)	4.9	10.0	14.0	7.6	10.6
PGF105-552	5.5 ± 20%	11.9(9.0)	4.0	7.7	12.0	7.0	9.3
PGF105-652	6.5 ± 20%	14.4(11.0)	3.9	7.4	10.0	5.5	7.3
PGF105-782	7.8 ± 20%	15.7(12.7)	3.8	6.6	9.5	5.1	7.1
PGF105-103	10.0 ± 20%	18.7(16.8)	3.7	6.2	8.5	4.8	6.5
PGF105-163	16.0 ± 20%	39.7(32.3)	3.1	4.8	6.5	3.3	4.4

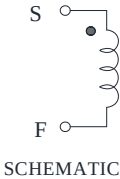
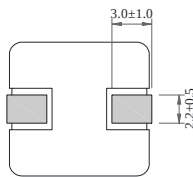
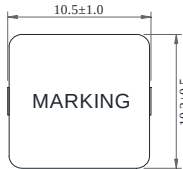
Remark

- 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℃

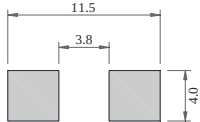
备注

- 电感量测试采用 4284A 数字电桥或同等仪器；
测试频率 100KHz
- 直流电阻测试采用 16502 毫欧表或同等仪器；
环境温度 25℃

Dimensions

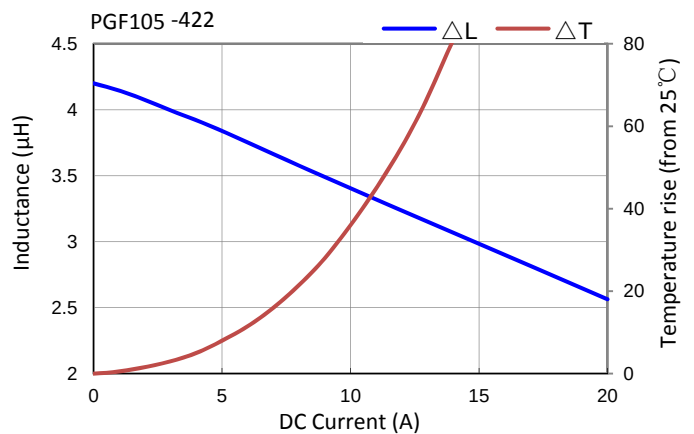
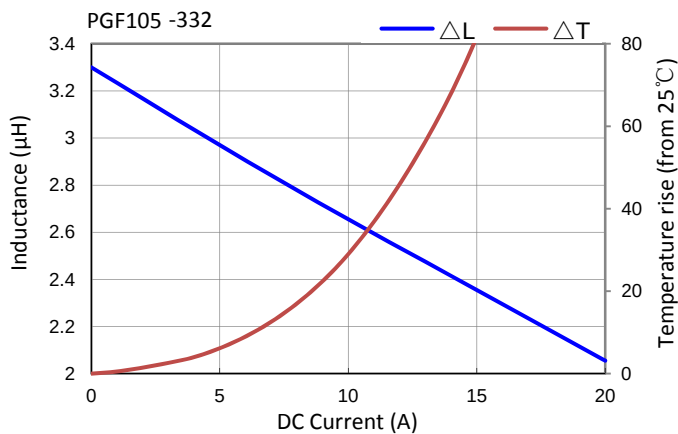
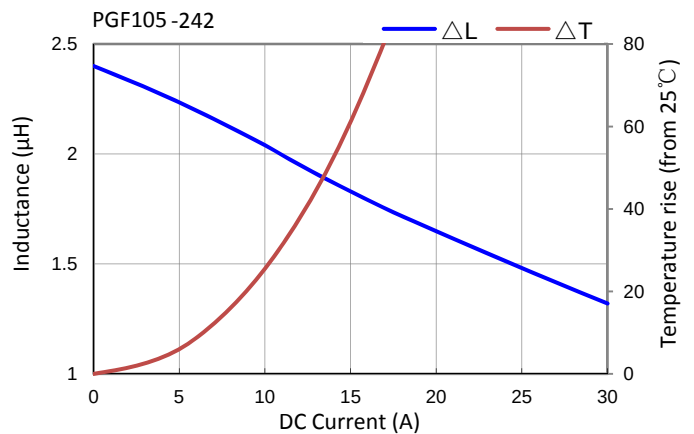
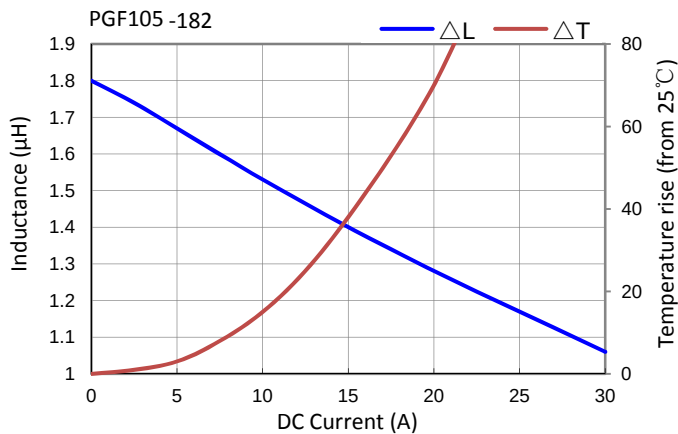
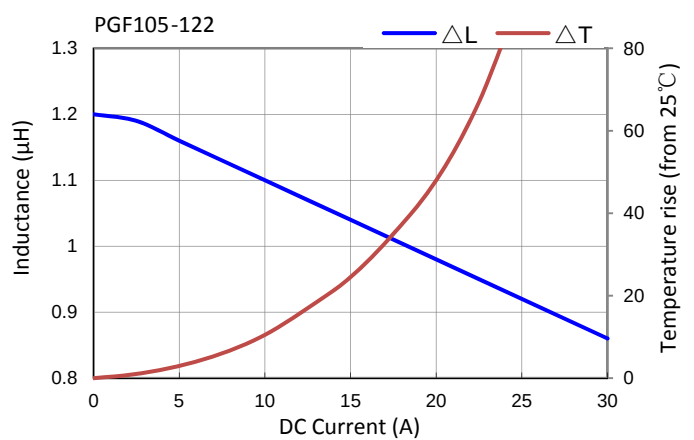
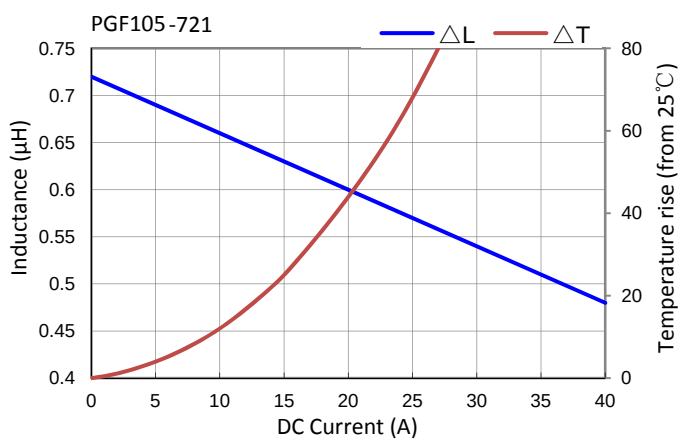
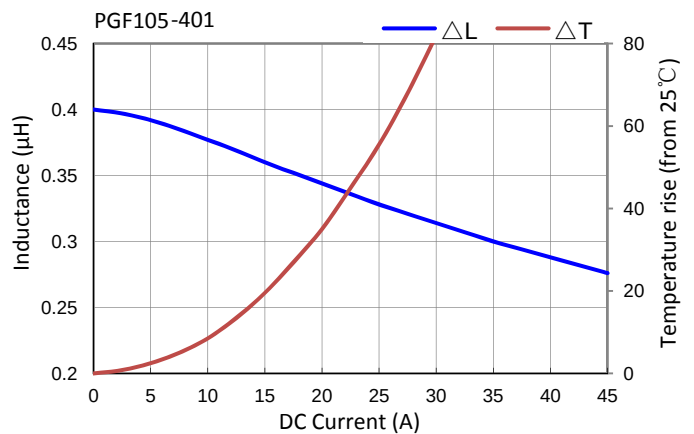
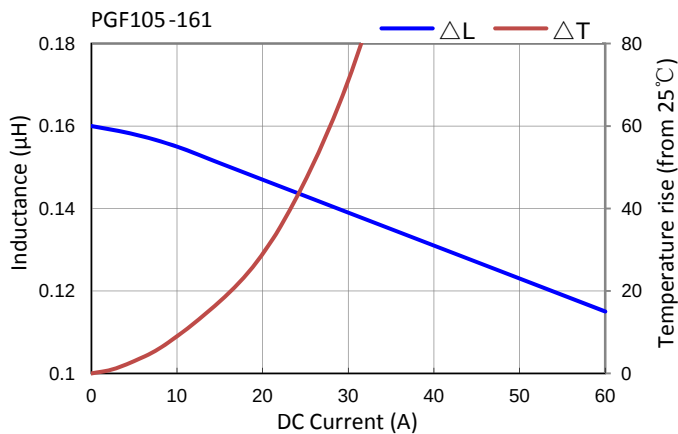


SCHEMATIC

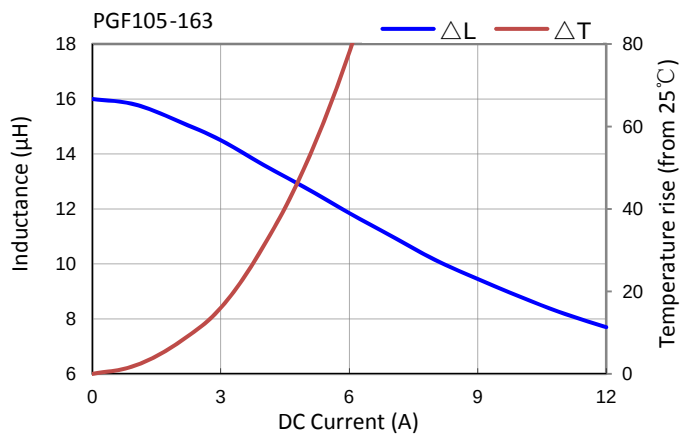
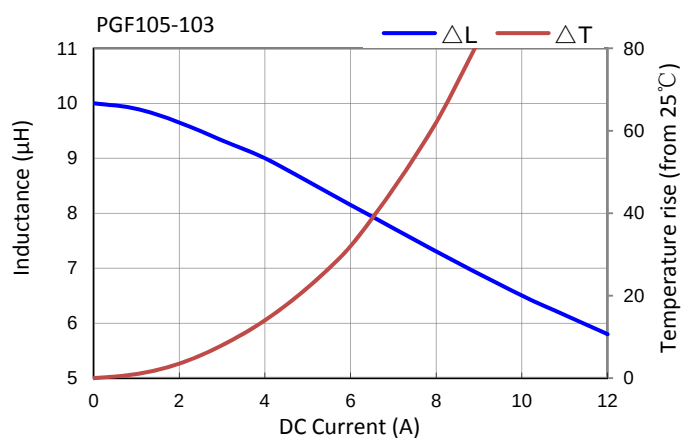
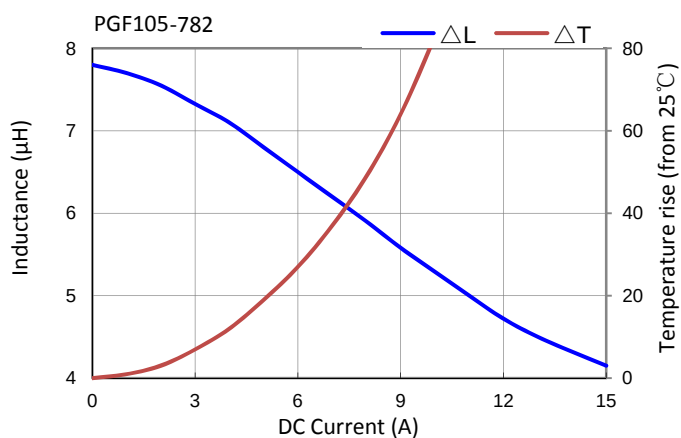
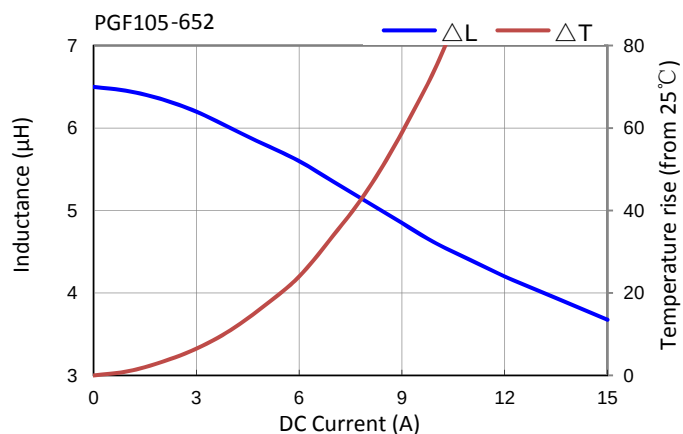
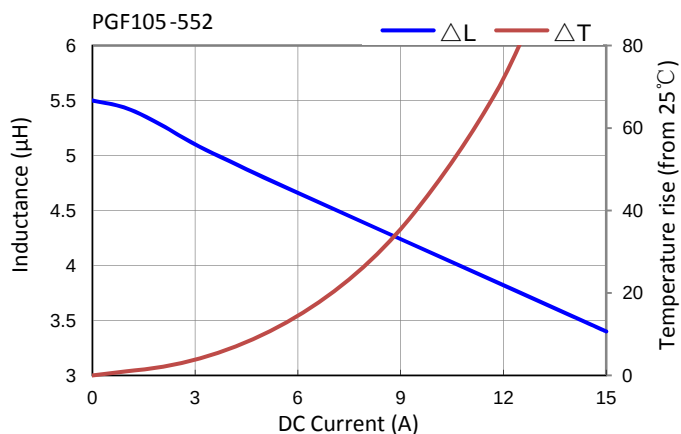


PCB LAYOUT

Electrical Characteristic Curve

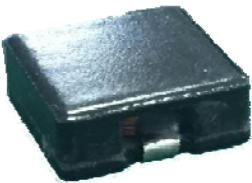


Electrical Characteristic Curve



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℃~+150℃.
工作温度：-40℃~+150℃



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
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Electrical characteristics

Part number 料号	Inductance 电感量 μH	DC resistance 直流电阻 mΩ max(typ.)	DC saturation current 直流饱和电流 A max.			Temperature rise current 温升电流 A max.	
			ΔL ≤ 10%	ΔL ≤ 20%	ΔL ≤ 30%	ΔT ≤ 20℃	ΔT ≤ 40℃
PGF133-251	0.25 ± 20%	0.9(0.7)	20.3	40.0	60.0	16.0	22.1
PGF133-681	0.68 ± 20%	1.9(1.7)	13.0	27.2	40.0	15.0	20.3
PGF133-122	1.2 ± 20%	3.4(3.1)	10.2	19.6	28.0	11.8	15.7
PGF133-182	1.8 ± 20%	6.6(5.4)	7.6	13.3	22.0	8.8	12.4
PGF133-222	2.2 ± 20%	6.6(5.4)	7.2	13.0	18.0	8.8	12.4
PGF133-332	3.3 ± 20%	9.3(8.0)	5.3	9.1	14.0	8.0	10.9

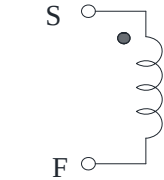
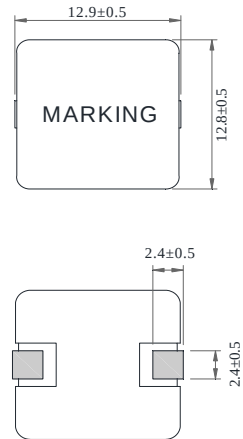
Remark

- 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℃

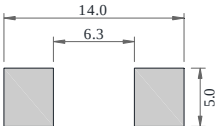
备注

- 电感量测试采用 4284A 数字电桥或同等仪器；
测试频率 100KHz
- 直流电阻测试采用 16502 毫欧表或同等仪器；
环境温度 25℃

Dimensions

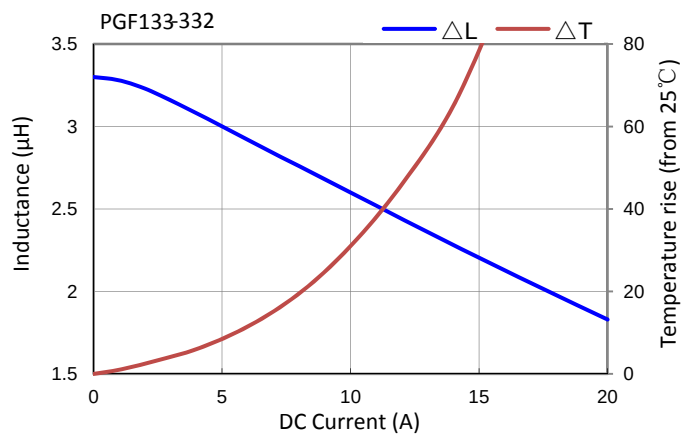
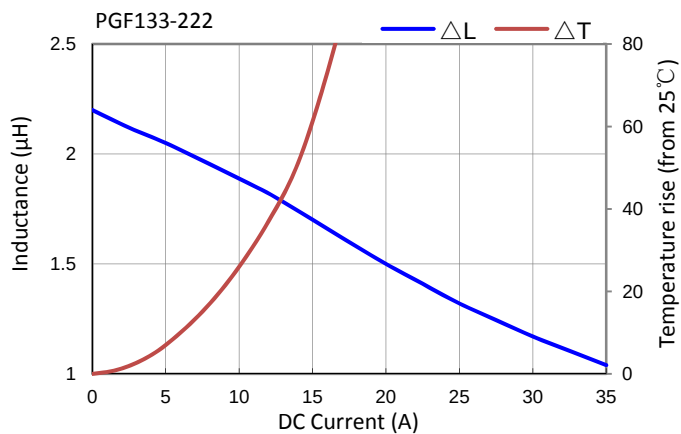
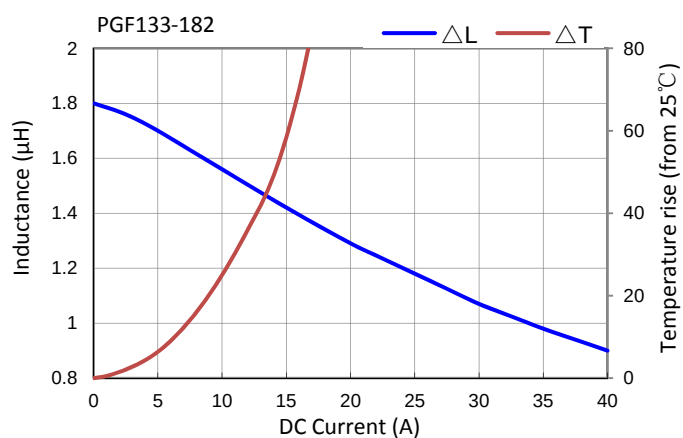
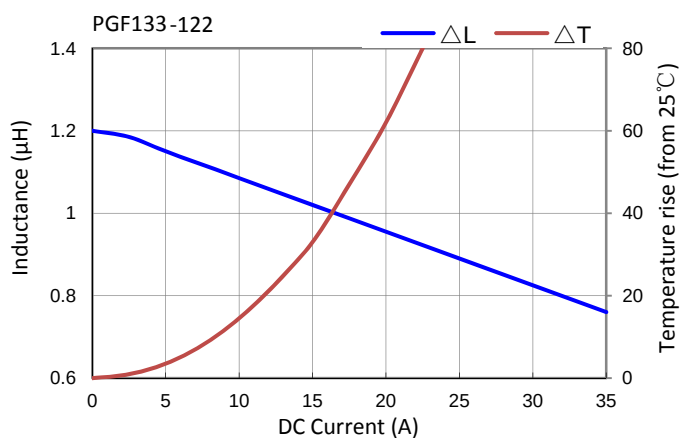
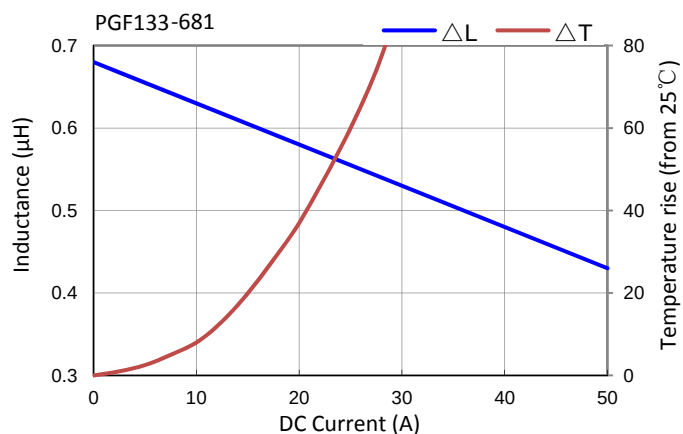
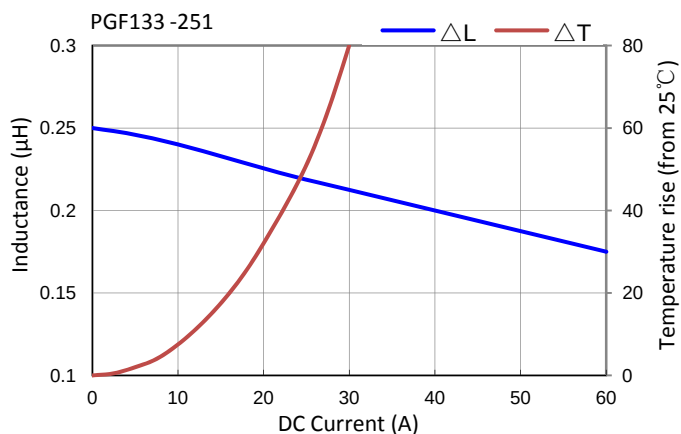


SCHEMATIC



PCB LAYOUT

Electrical Characteristic Curve



Features

- Compact size using flat wire, and SMD type.
扁平线小尺寸封装，贴片类型
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闭合磁路封装，低辐射
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Electrical characteristics

Part number 料号	Inductance 电感量 μH	DC resistance 直流电阻 mΩ max(typ.)	DC saturation current 直流饱和电流 A max.			Temperature rise current 温升电流 A max.	
			ΔL ≤ 10%	ΔL ≤ 20%	ΔL ≤ 30%	ΔT ≤ 20℃	ΔT ≤ 40℃
PGF135-191	0.19 ± 20%	0.6(0.5)	26.9	47.0	60.0	17.6	26.2
PGF135-471	0.47 ± 20%	1.1(0.9)	23.1	39.2	50.0	16.0	23.0
PGF135-901	0.90 ± 20%	1.8(1.5)	10.9	18.3	28.0	13.5	20.6
PGF135-142	1.4 ± 20%	2.8(2.5)	10.0	17.8	26.0	13.1	18.6
PGF135-232	2.3 ± 20%	4.3(3.5)	6.7	12.5	17.0	11.0	15.6
PGF135-322	3.2 ± 20%	6.1(4.9)	5.6	9.7	15.0	10.0	14.1
PGF135-482	4.8 ± 20%	12.1(7.9)	5.7	9.0	13.0	7.1	9.5
PGF135-602	6.0 ± 20%	14.4(11.8)	5.0	8.3	11.5	6.8	9.1
PGF135-822	8.2 ± 20%	15.6(11.8)	4.8	8.1	11.0	6.3	8.2
PGF135-103	10.0 ± 20%	16.2(14.2)	3.6	6.3	10.0	6.1	8.0

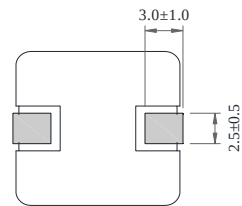
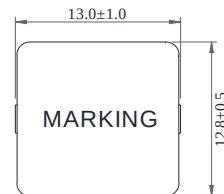
Remark

- 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℃

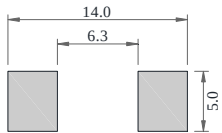
备注

- 电感量测试采用 4284A 数字电桥或同等仪器；
测试频率 100KHz
- 直流电阻测试采用 16502 毫欧表或同等仪器；
环境温度 25℃

Dimensions

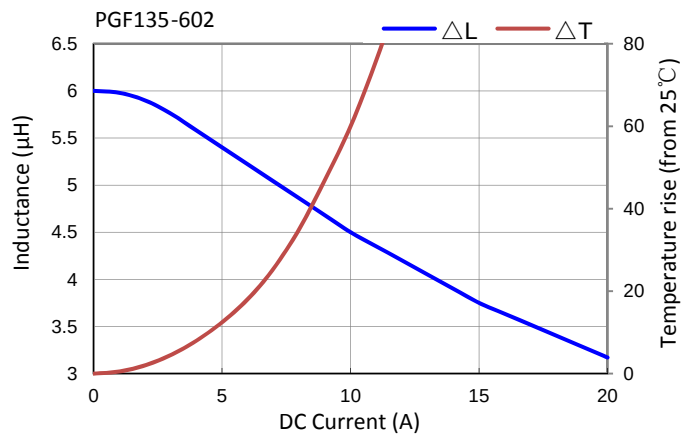
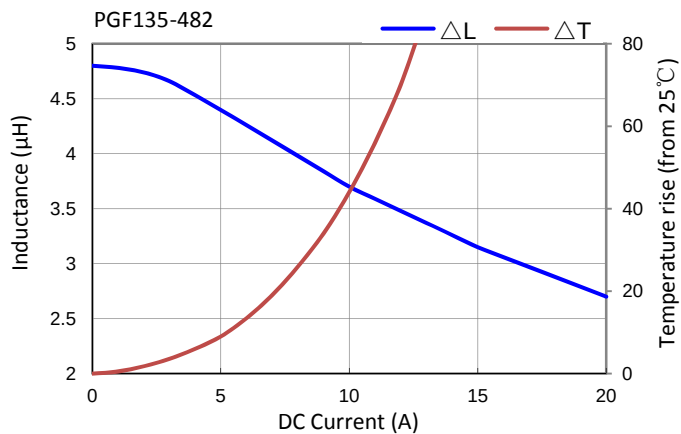
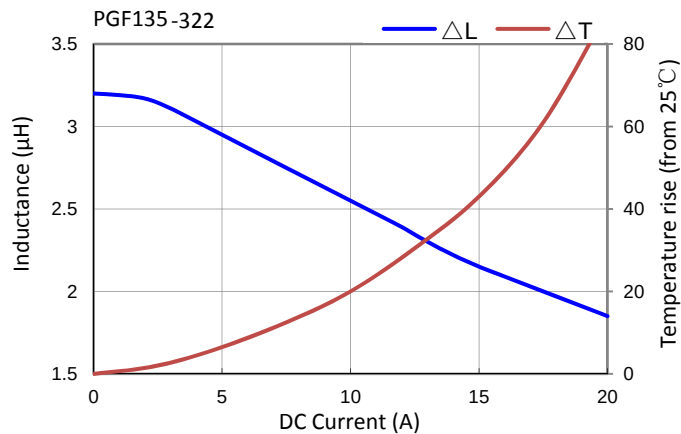
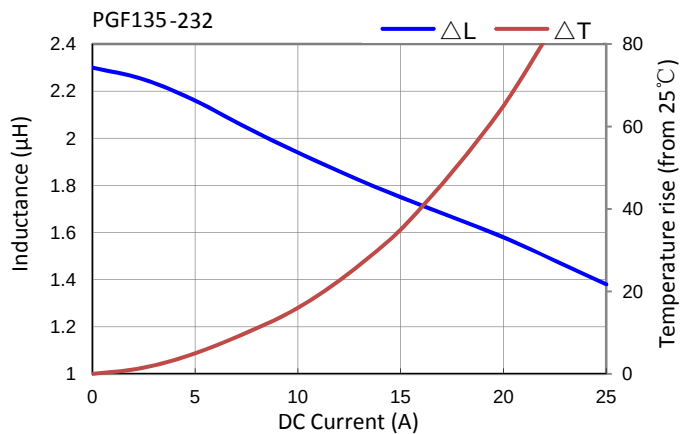
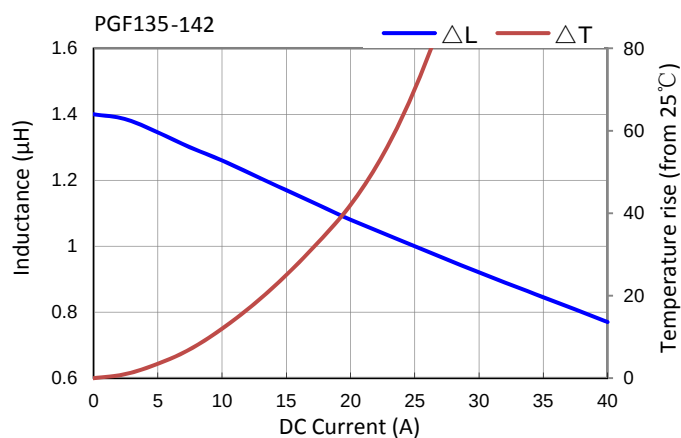
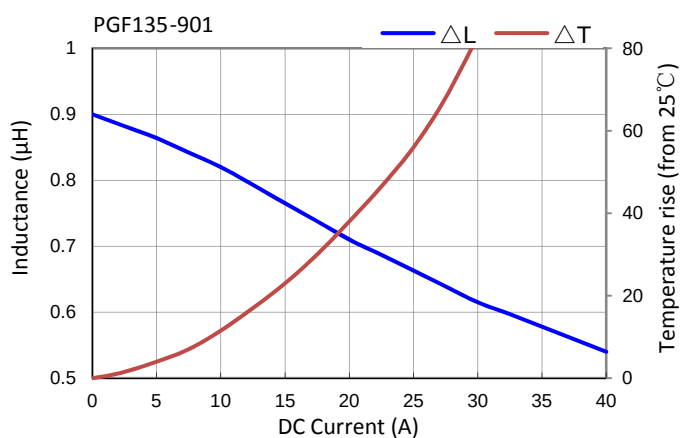
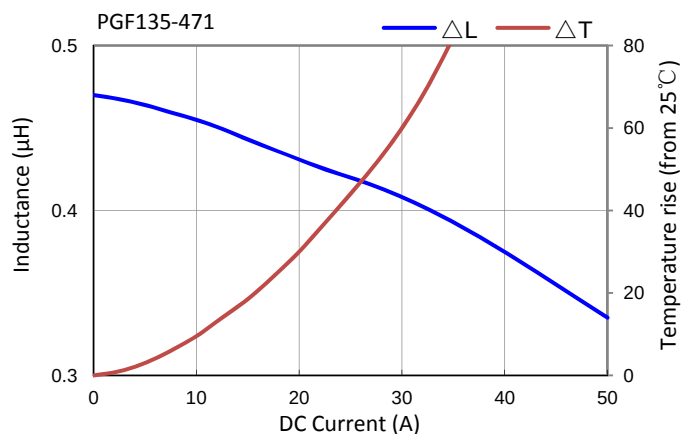
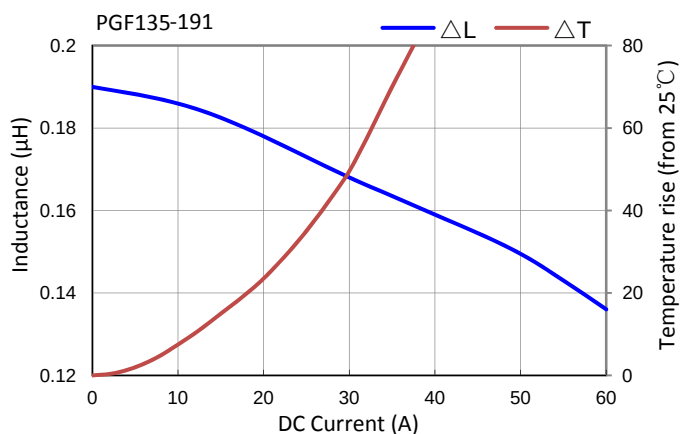


SCHEMATIC

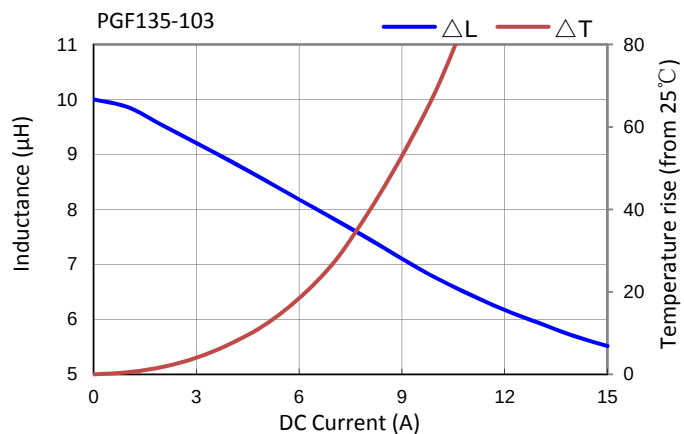
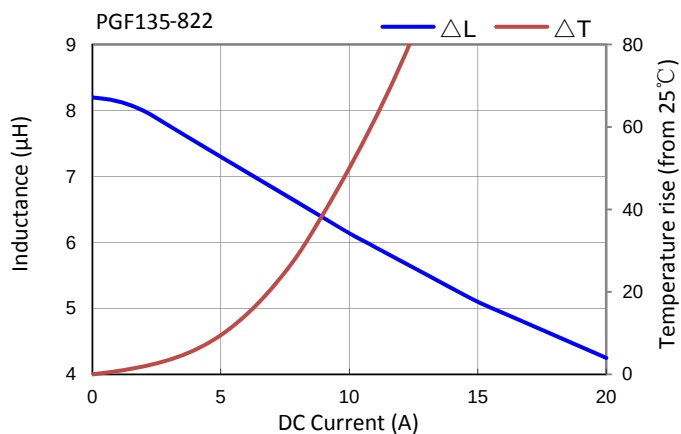


PCB LAYOUT

Electrical Characteristic Curve



Electrical Characteristic Curve



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℃~+150℃.
工作温度：-40℃~+150℃



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
- Laptops, Graphic cards, Motherboards. 笔记本、显卡、主板等

Electrical characteristics

Part number 料号	Inductance 电感量 μH	DC resistance 直流电阻 mΩ max(typ.)	DC saturation current 直流饱和电流 A max.			Temperature rise current 温升电流 A max.	
			ΔL ≤ 10%	ΔL ≤ 20%	ΔL ≤ 30%	ΔT ≤ 20℃	ΔT ≤ 40℃
PGF136-201	0.20 ± 20%	0.45(0.35)	20.0	45.0	65.0	18.1	27.5
PGF136-471	0.47 ± 20%	0.8(0.65)	19.7	42.0	50.0	17.9	26.8
PGF136-821	0.82 ± 20%	1.1(0.94)	15	25.2	35.0	17.0	25.0
PGF136-132	1.3 ± 20%	2.1(1.6)	10.9	17.7	25.0	14.8	21.6
PGF136-202	2.0 ± 20%	3.0(2.4)	8.2	15.1	22.0	13.3	19.2
PGF136-282	2.8 ± 20%	3.8(3.1)	7.5	12.2	17.5	10.7	15.3
PGF136-372	3.7 ± 20%	5.6(4.7)	6.8	11.4	16.0	10.0	13.7
PGF136-472	4.7 ± 20%	7.1(5.3)	5.8	10.1	15.0	8.2	11.0
PGF136-602	6.0 ± 20%	8.7(7.1)	5.6	9.2	14.0	8.0	10.6
PGF136-732	7.3 ± 20%	9.5(7.8)	4.8	8.3	12.0	8.3	11.2
PGF136-922	9.2 ± 20%	11.0(9.7)	4.7	8.1	10.5	8.0	10.4
PGF136-113	11.3 ± 20%	13.5(11.6)	3.7	6.2	9.5	7.2	10.0
PGF136-133	13.0 ± 20%	15.9(13.9)	3.6	6.0	9.0	6.5	8.8
PGF136-153	15.4 ± 20%	17.0(15.7)	3.1	5.2	8.0	6.2	8.4
PGF136-183	18.0 ± 20%	25.3(19.0)	3.0	5.0	7.5	5.0	6.4
PGF136-223	22.0 ± 20%	28.4(22.9)	2.8	4.7	6.5	4.0	5.4
PGF136-333	33.0 ± 20%	35.1(31.2)	2.2	3.6	5.5	3.9	5.2

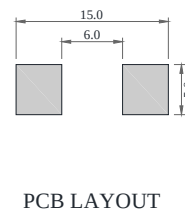
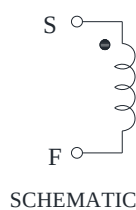
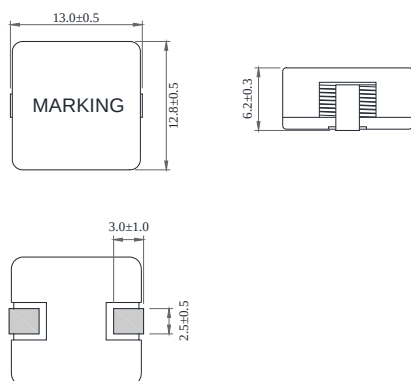
Remark

- 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℃

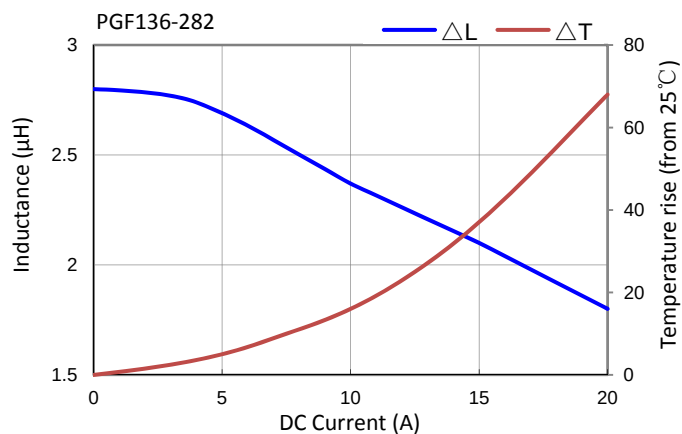
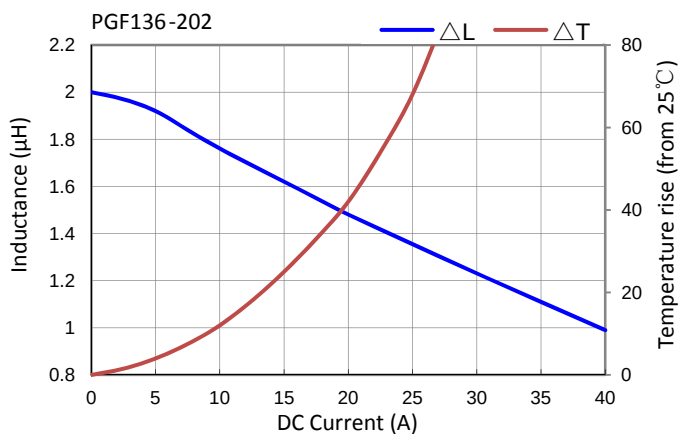
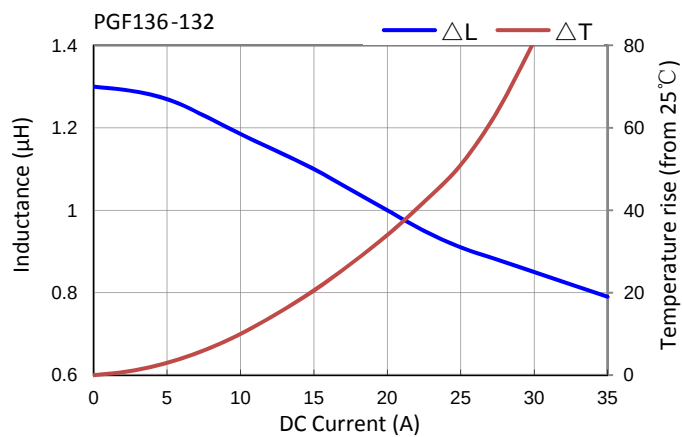
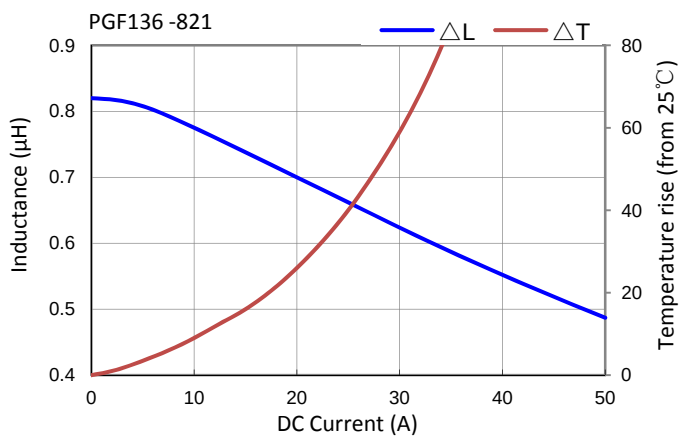
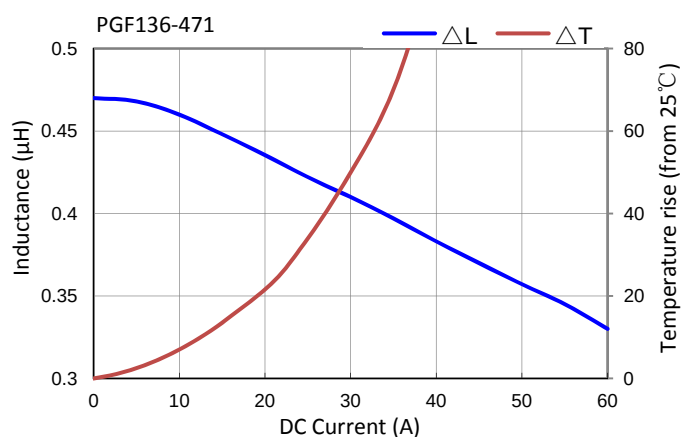
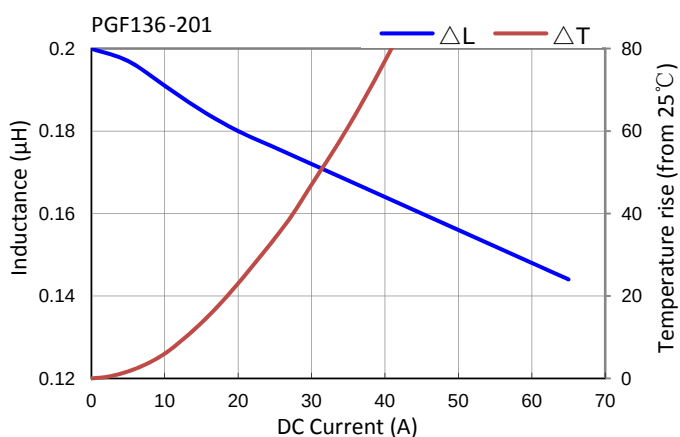
备注

- 电感量测试采用 4284A 数字电桥或同等仪器；
测试频率 100KHz
- 直流电阻测试采用 16502 毫欧表或同等仪器；
环境温度 25℃

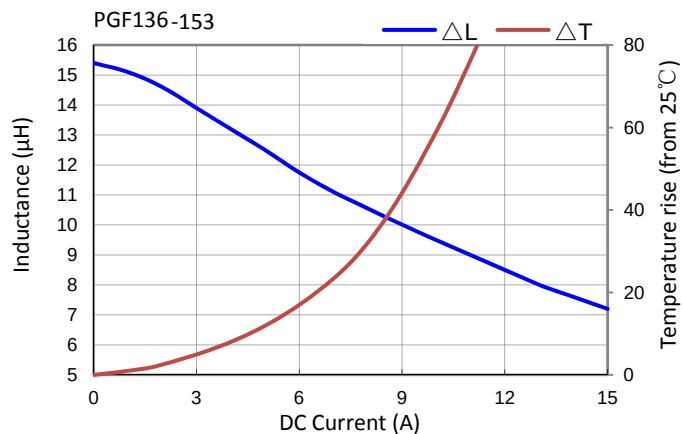
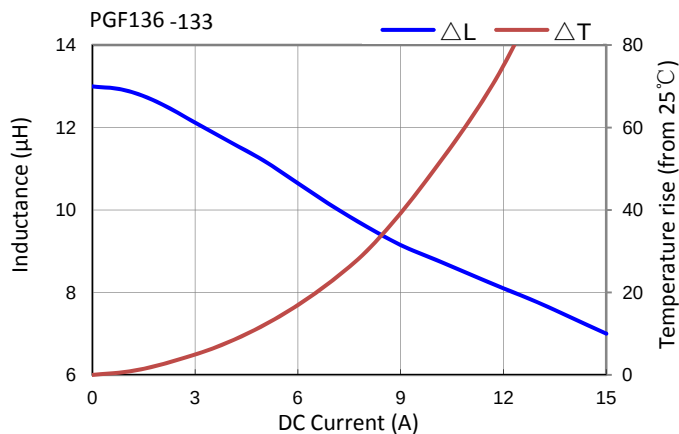
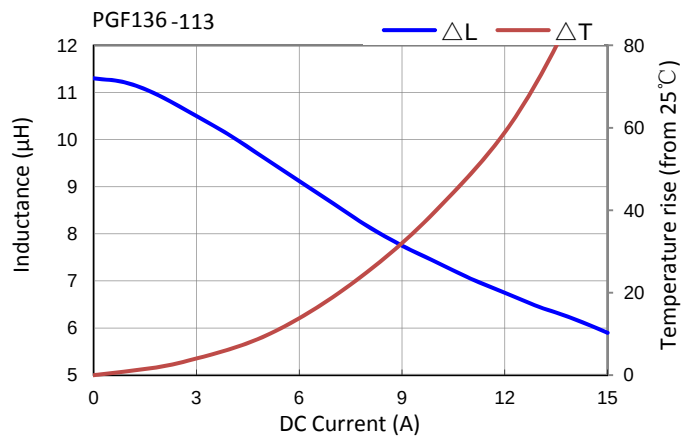
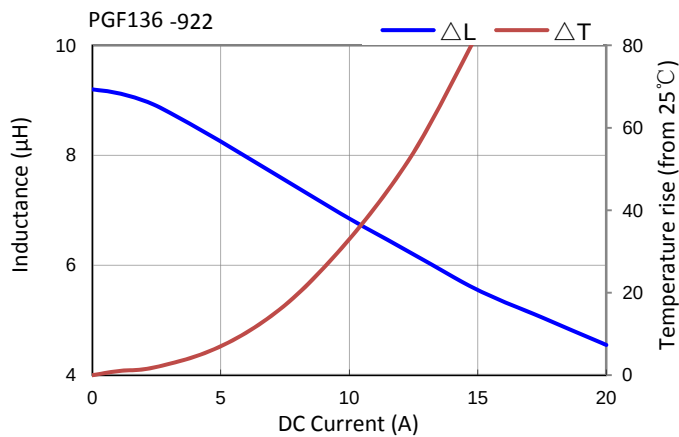
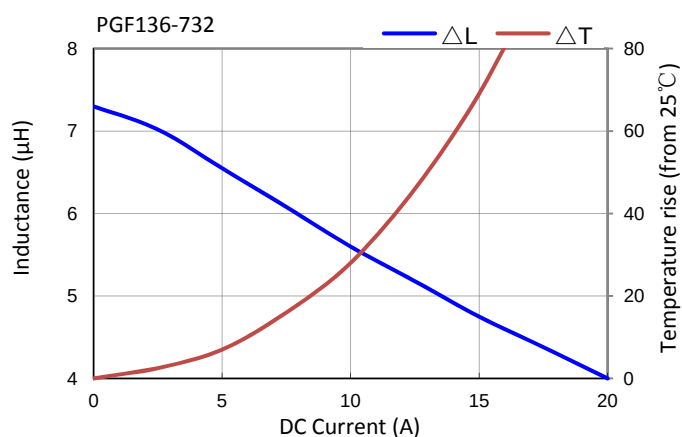
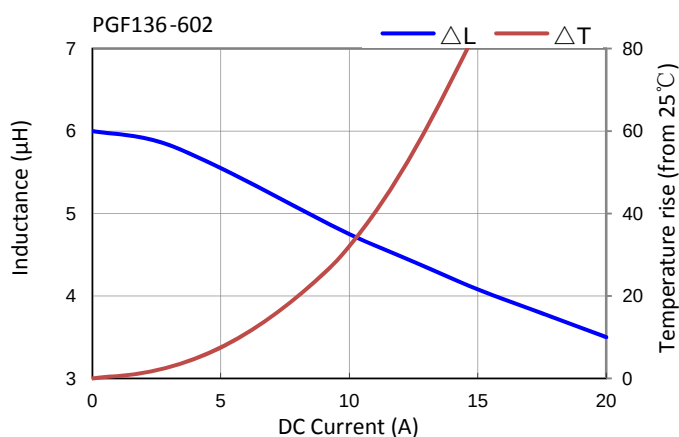
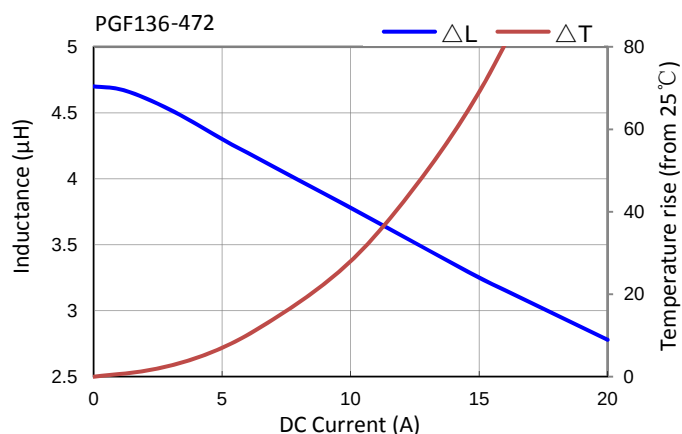
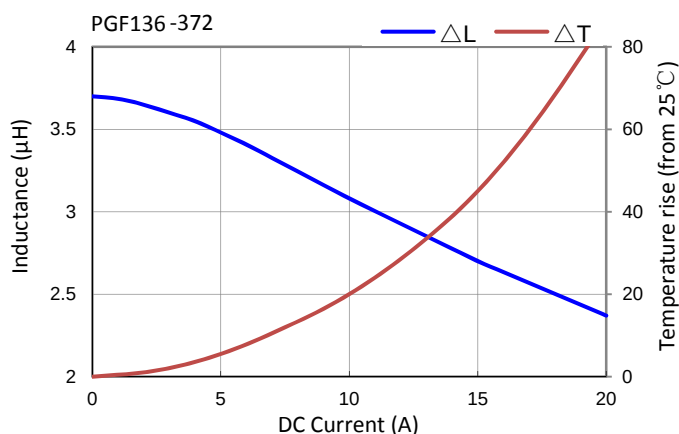
Dimensions



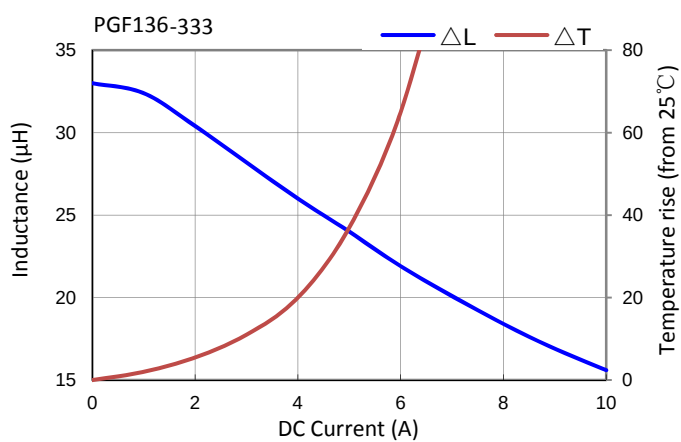
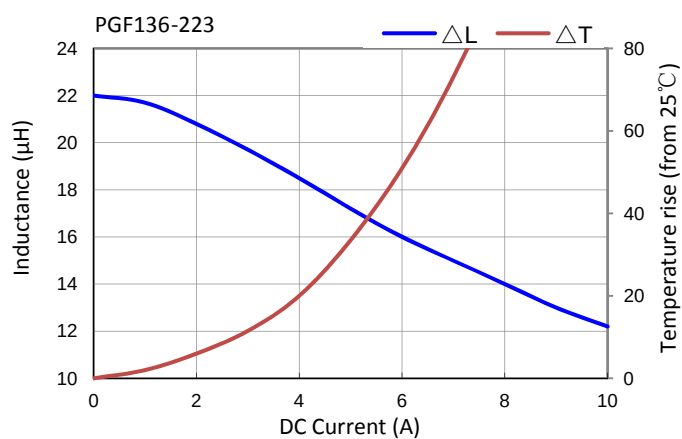
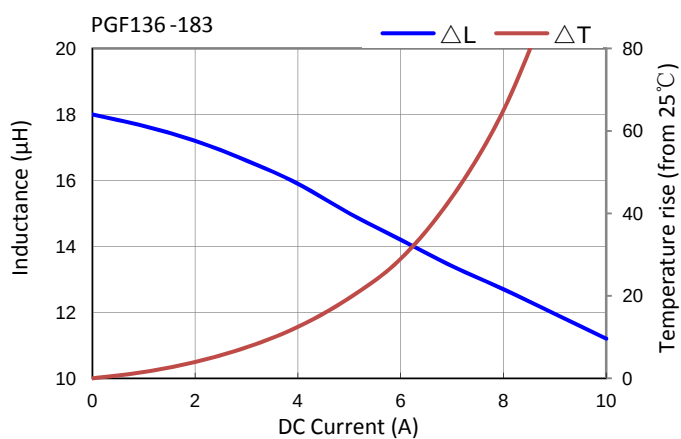
Electrical Characteristic Curve



Electrical Characteristic Curve



Electrical Characteristic Curve



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℃~+150℃.
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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
- Laptops, Graphic cards, Motherboards. 笔记本、显卡、主板等

Electrical characteristics

Part number 料号	Inductance 电感量 μH	DC resistance 直流电阻 mΩ max(typ.)	DC saturation current 直流饱和电流 A max. (typ.)			Temperature rise current 温升电流 A max.	
			ΔL ≤ 10%	ΔL ≤ 20%	ΔL ≤ 30%	ΔT ≤ 20℃	ΔT ≤ 40℃
PGF189A-562	5.6 ± 20%	3.4(3.0)	22.0(24.5)	27.0(29.3)	28.5(29.5)	16.9	22.6
PGF189A-762	7.6 ± 20%	4.3(3.6)	17.8(21.3)	22.5(23.9)	24.7(25.2)	14.2	17.8
PGF189A-103	10.0 ± 10%	7.9(6.7)	15.2(17.8)	17.3(18.9)	18.5(19.6)	11.0	14.6
PGF189A-153	15.0 ± 10%	10.4(8.9)	11.1(13.5)	13.3(14.8)	14.0(15.2)	9.2	12.5
PGF189A-223	22.0 ± 10%	16.8(15.0)	8.5(10.2)	10.4(11.9)	11.0(12.3)	7.0	10.1
PGF189A-333	33.0 ± 10%	24.9(21.8)	7.7(9.2)	8.1(10.2)	9.0(10.6)	5.2	7.1
PGF189A-473	47.0 ± 10%	38.5(35.6)	5.9(7.0)	6.6(8.2)	7.0(8.5)	4.2	6.1

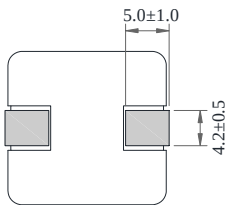
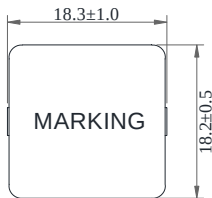
Remark

- 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℃

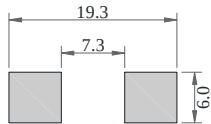
备注

- 电感量测试采用 4284A 数字电桥或同等仪器；
测试频率 100KHz
- 直流电阻测试采用 16502 毫欧表或同等仪器；
环境温度 25℃

Dimensions

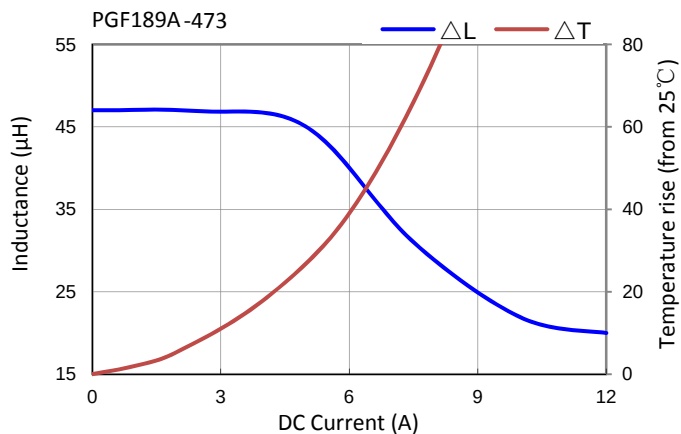
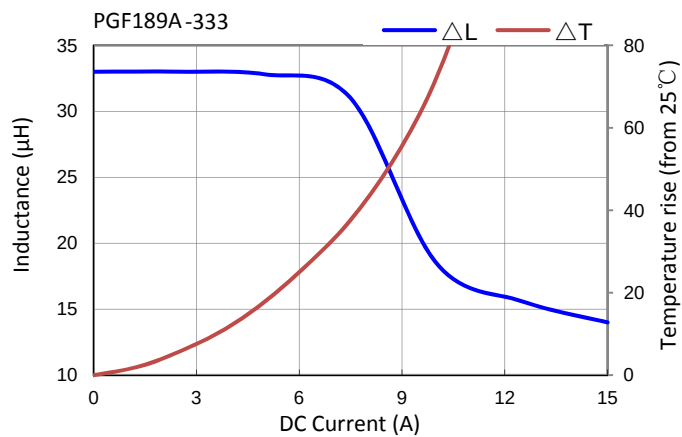
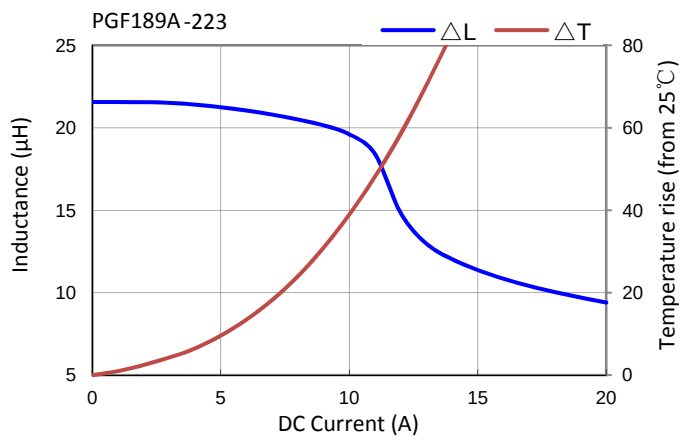
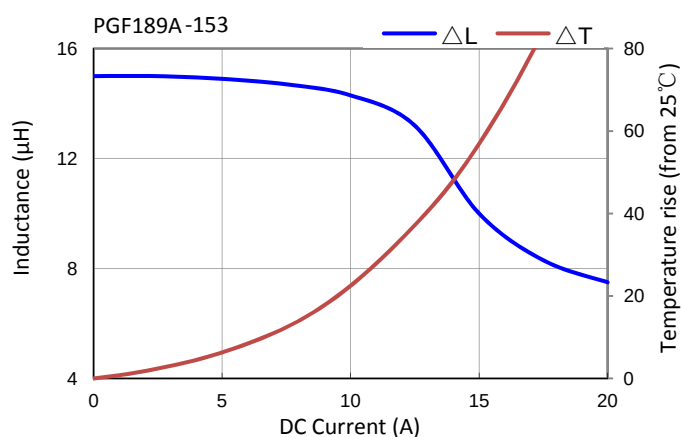
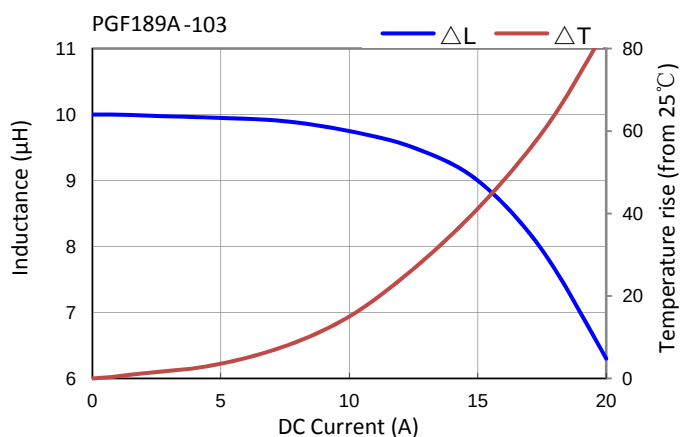
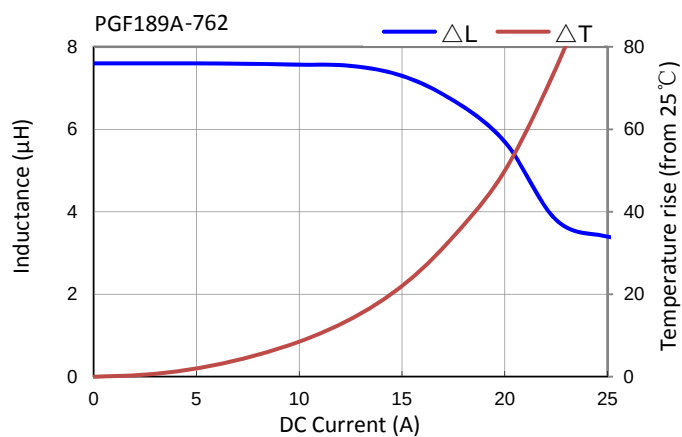
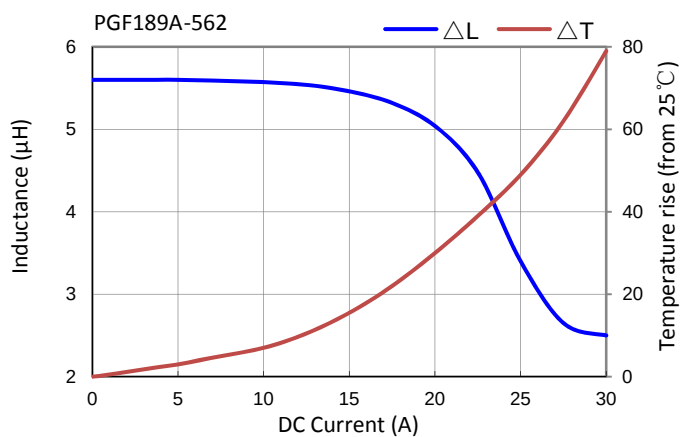


SCHEMATIC



PCB LAYOUT

Electrical Characteristic Curve



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Electrical characteristics

Part number 料号	Inductance 电感量 μH	DC resistance 直流电阻 mΩ max(typ.)	DC saturation current 直流饱和电流 A max.			Temperature rise current 温升电流 A max.	
			ΔL ≤ 10%	ΔL ≤ 20%	ΔL ≤ 30%	ΔT ≤ 20℃	ΔT ≤ 40℃
PGF189B-821	0.82 ± 20%	0.62(0.54)	36.1	58.3	65.0	27.0	36.8
PGF189B-132	1.3 ± 20%	1.08(0.9)	29.2	48.3	62.0	21.7	30.3
PGF189B-192	1.9 ± 20%	1.4(1.2)	22.1	36.2	52.0	21.0	29.1
PGF189B-262	2.6 ± 20%	1.8(1.5)	21.0	35.0	50.0	20.0	26.6
PGF189B-352	3.5 ± 20%	3.6(2.2)	15.3	27.0	37.0	14.7	20.1
PGF189B-452	4.5 ± 20%	3.9(2.5)	14.4	23.7	35.0	13.1	18.2
PGF189B-562	5.6 ± 20%	4.3(2.9)	14.1	23.2	33.0	12.6	17.5
PGF189B-682	6.8 ± 20%	4.7(4.0)	12.8	20.7	27.0	11.7	15.9
PGF189B-103	10.0 ± 20%	7.9(6.0)	9.3	15.4	21.5	10.8	13.9

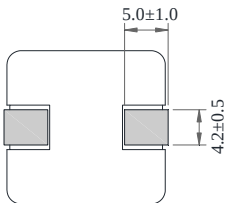
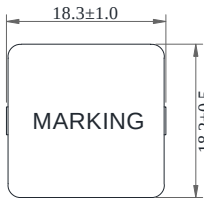
Remark

- 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℃

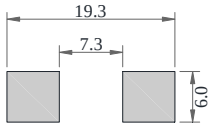
备注

- 电感量测试采用 4284A 数字电桥或同等仪器；
测试频率 100KHz
- 直流电阻测试采用 16502 毫欧表或同等仪器；
环境温度 25℃

Dimensions

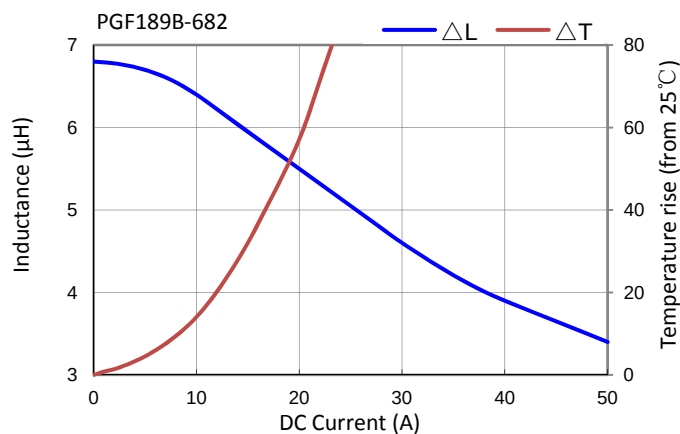
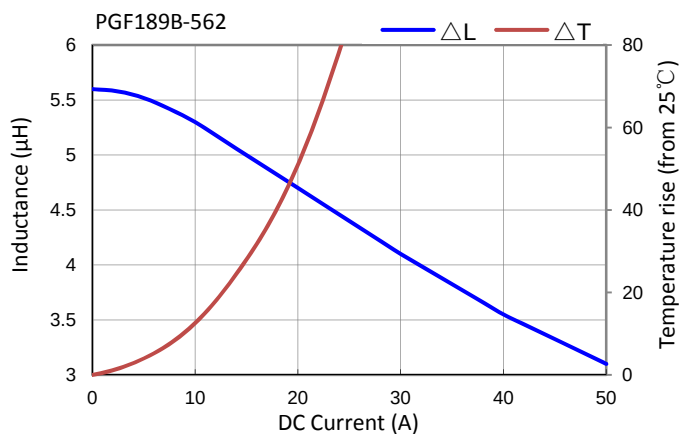
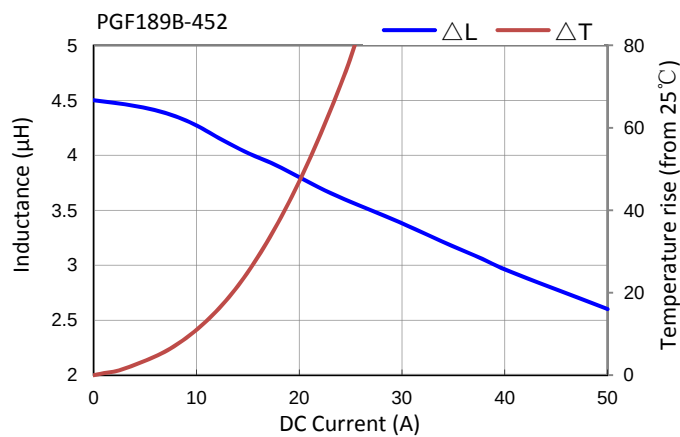
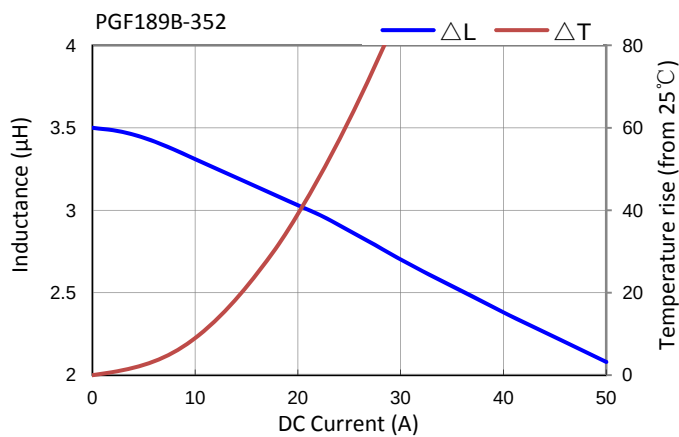
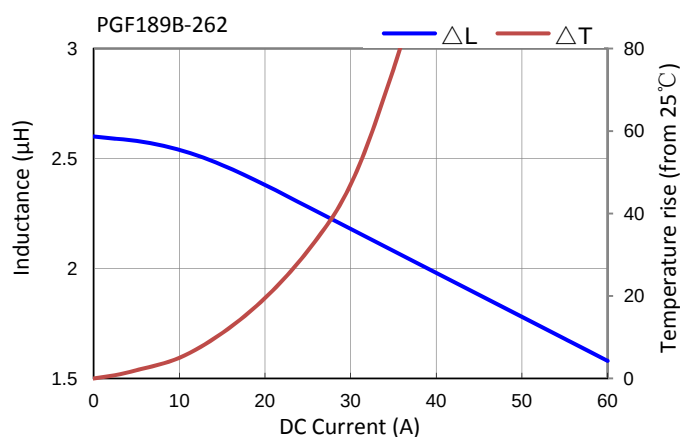
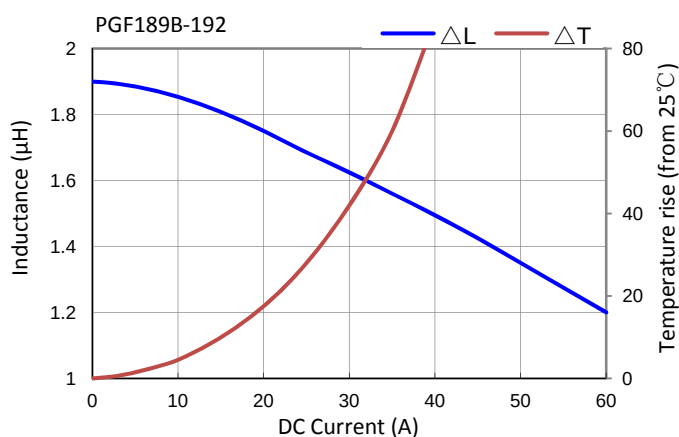
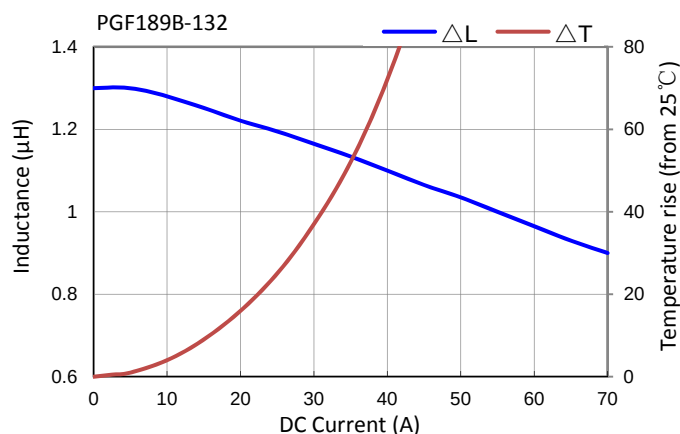
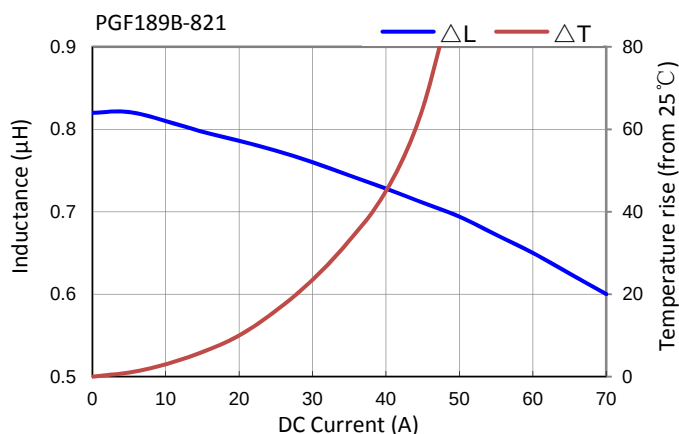


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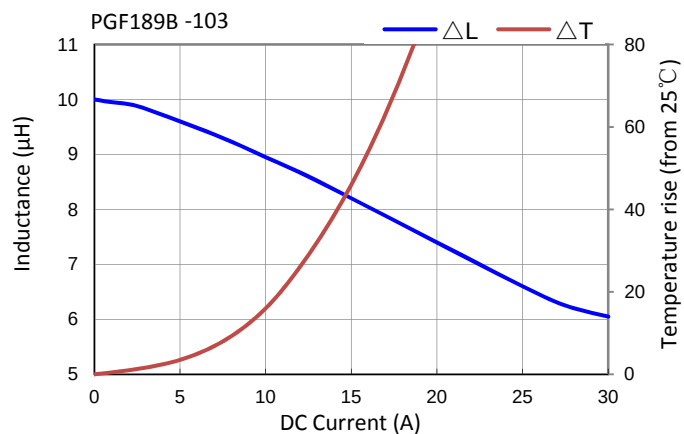


PCB LAYOUT

Electrical Characteristic Curve



Electrical Characteristic Curve



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℃~+150℃.
工作温度：-40℃~+150℃

**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
- Laptops, Graphic cards, Motherboards. 笔记本、显卡、主板等

Electrical characteristics

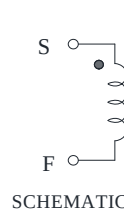
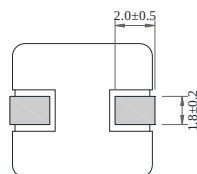
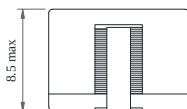
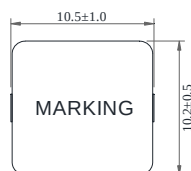
Part number 料号	Inductance 电感量 μH	DC resistance 直流电阻 mΩ max(typ.)	DC saturation current 直流饱和电流 A max. (typ.)			Temperature rise current 温升电流 A max.	
			ΔL ≤ 10%	ΔL ≤ 20%	ΔL ≤ 30%	ΔT ≤ 20℃	ΔT ≤ 40℃
PGF1085-681	0.68 ± 20%	1.46(1.22)	56(62)	77(86)	>100	19.5	28
PGF1085-102	1.0 ± 20%	1.75(1.46)	35(38)	49(52.5)	60(64)	19	27.5
PGF1085-152	1.5 ± 20%	2.5(2.09)	21.6(24)	33.3(37)	43.2(48)	15.5	21
PGF1085-222	2.2 ± 20%	3.37(2.81)	17.2(19)	26.3(29)	35(39)	14	18
PGF1085-332	3.3 ± 20%	4.1(3.42)	9(10)	14.5(16)	18.5(20.5)	13	17
PGF1085-472	4.7 ± 20%	5.05(4.21)	5.8(6.5)	9.4(10.5)	13(14.5)	11	15
PGF1085-862	8.6 ± 20%	9.9(8.25)	5.1(6)	8(9.5)	11(13)	8	11.8
PGF1085-103	10.0 ± 10%	11.3(9.42)	4.8(5.6)	7.6(9)	10.2(12)	7.3	10.2
PGF1085-153	15.0 ± 10%	15.5(14.1)	3.8(4.5)	6.4(7.5)	8.5(10)	5.8	7.8
PGF1085-223	22.0 ± 10%	25.2(22.9)	3(3.6)	5(6)	6.8(8)	4.4	5.8
PGF1085-333	33.0 ± 10%	37.0(33.7)	2.8(3.1)	4.6(5.0)	6.4(6.9)	3.6	4.8
PGF1085-473	47.0 ± 10%	55.0(50.0)	2.4(2.8)	3.9(4.4)	5.4(5.9)	2.6	3.7

Remark

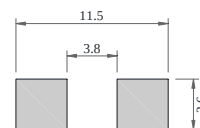
- Inductance is measured with a LCR meter 4284A or equivalent.
Test frequency at 100kHz
- DC resistance is measured with 16502 Milliohm Meter , or equivalent.
Reference ambient temperature 25℃

备注

- 电感量测试采用 4284A 数字电桥或同等仪器；
测试频率 100KHz
- 直流电阻测试采用 16502 毫欧表或同等仪器；
环境温度 25℃

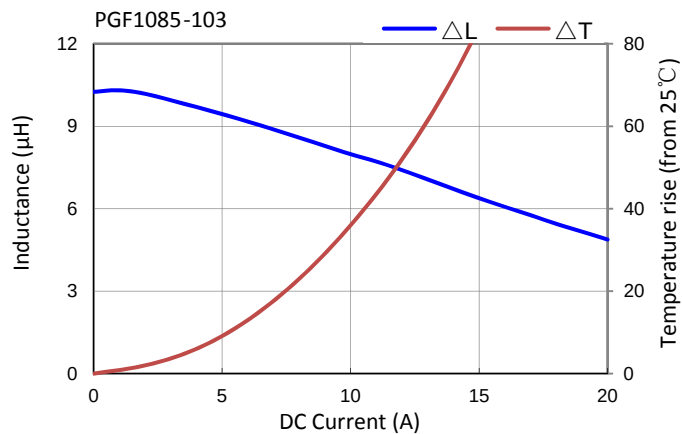
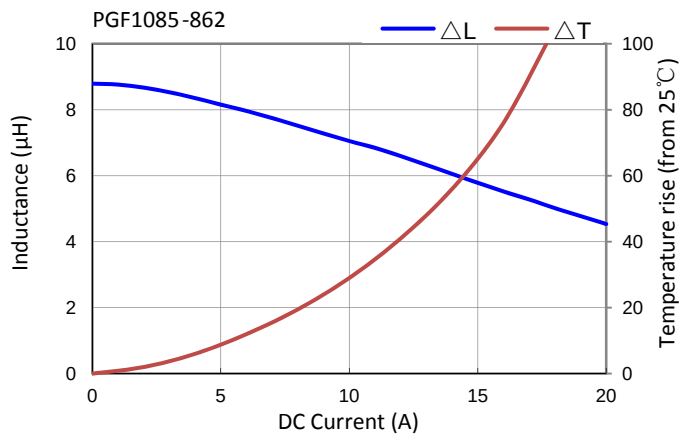
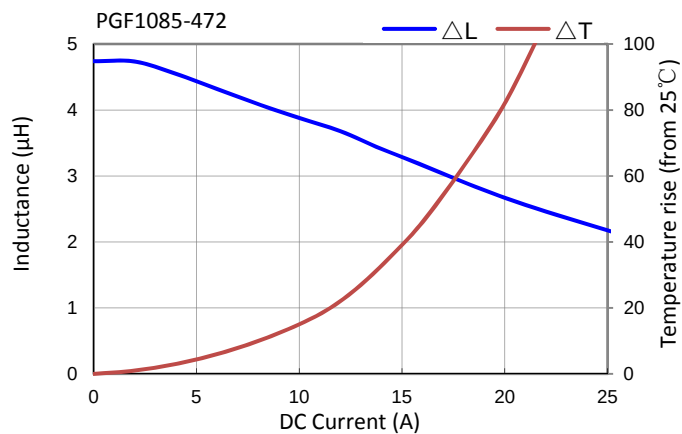
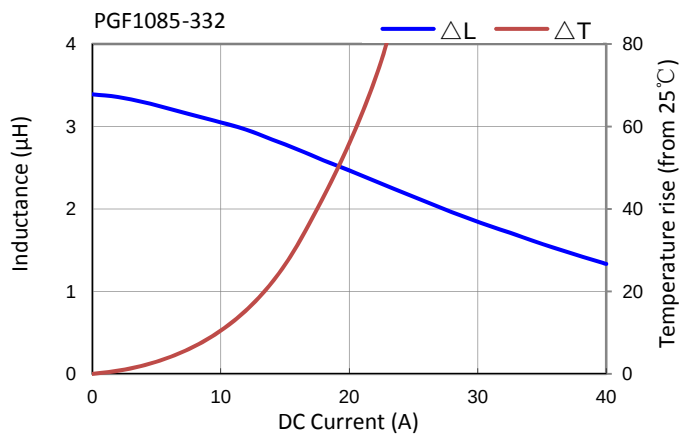
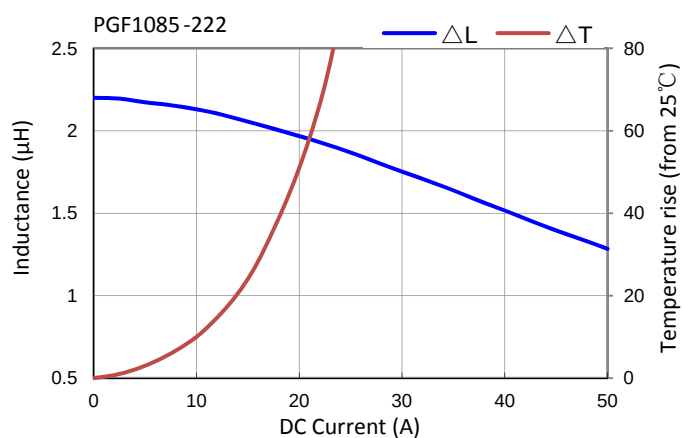
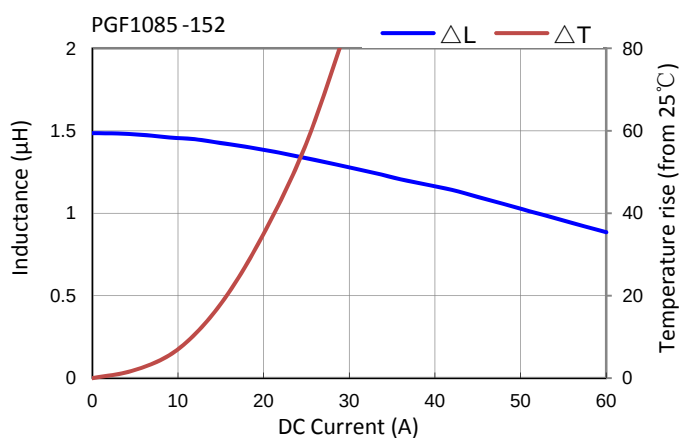
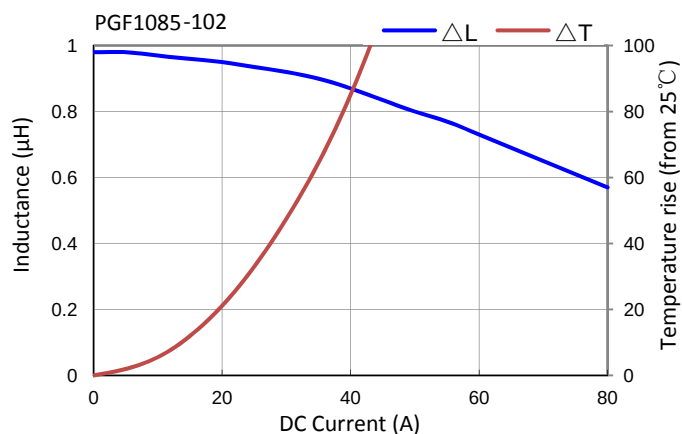
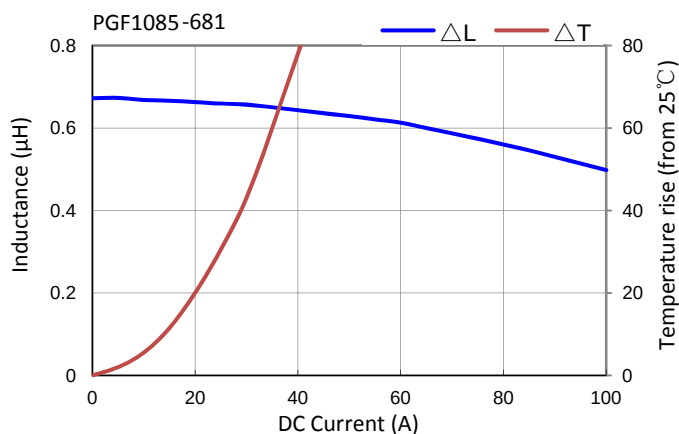
Dimensions

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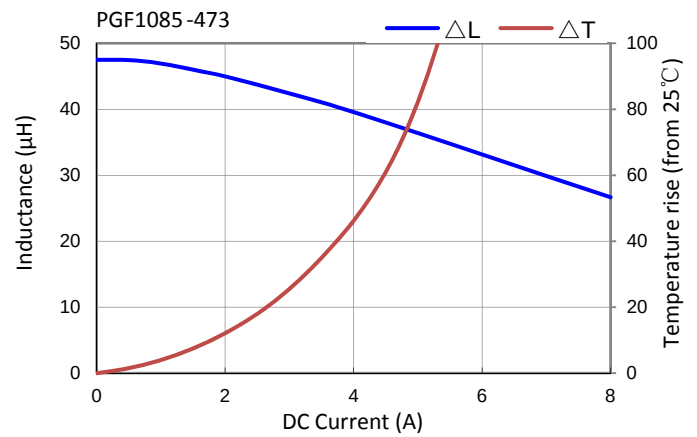
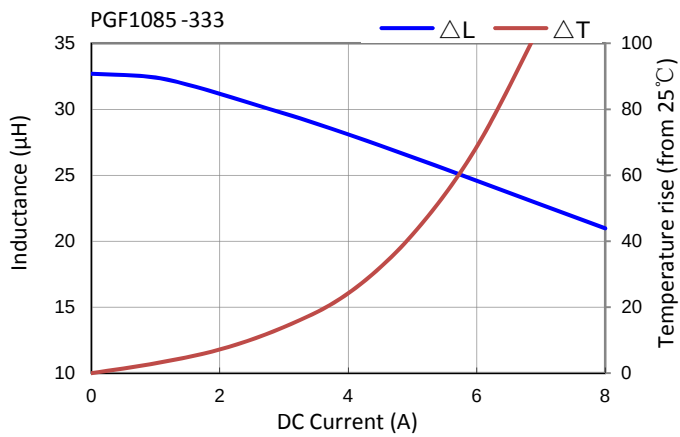
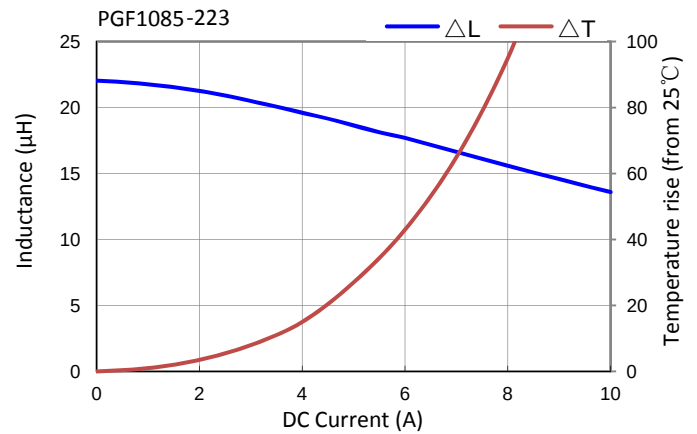
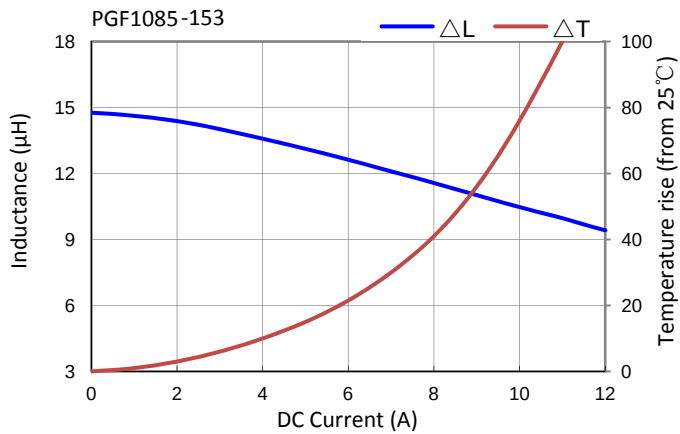


PCB LAYOUT

Electrical Characteristic Curve



Electrical Characteristic Curve

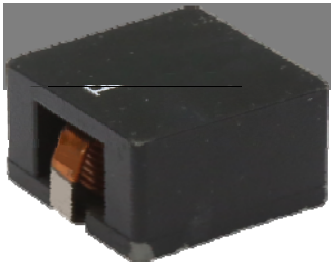


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扁平线小尺寸封装，贴片类型
- Low radiation noise by magnetically shielded construction
闭合磁路封装，低辐射
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Electrical characteristics

Part number 料号	Inductance 电感量 μH	DC resistance 直流电阻 mΩ max(typ.)	DC saturation current 直流饱和电流 A max. (typ.)			Temperature rise current 温升电流 A max.	
			ΔL ≤ 10%	ΔL ≤ 20%	ΔL ≤ 30%	ΔT ≤ 20℃	ΔT ≤ 40℃
PGF2212-332	3.3 ± 20%	2.0(1.8)	32.0(37.8)	38.0(42.0)	45.0(47.3)	19.5	26.2
PGF2212-682	6.8 ± 20%	2.6(2.3)	210(27.5)	25.6(31.0)	31.0(33.5)	19.3	25.8
PGF2212-822	8.2 ± 20%	3.1(2.7)	19.7(25.3)	25.8(32.5)	30.0(33.6)	17.1	22.9
PGF2212-103	10.0 ± 10%	3.9(3.5)	15.4(20.5)	19.2(23.5)	26.0(27.1)	14.1	19.5
PGF2212-123	12.0 ± 10%	5.0(4.1)	13.8(19.0)	18.2(22.8)	25.0(26.5)	12.8	17.6
PGF2212-223	22.0 ± 10%	8.1(7.0)	13.0(17.0)	15.7(19.0)	18.0(19.8)	10.0	13.7
PGF2212-333	33.0 ± 10%	15.2(13.4)	11.3(15.8)	13.7(17.1)	15.0(17.8)	7.2	10.3
PGF2212-473	47.0 ± 10%	22.08(19.8)	10.4(13.3)	11.3(14.2)	12.0(14.9)	6.2	8.3
PGF2212-683	68.0 ± 10%	31.4(26.6)	8.5(11.5)	9.1(12.6)	9.5(13.2)	5.0	7.1
PGF2212-823	82.0 ± 10%	35.0(30.4)	7.3(9.2)	8.2(10.2)	8.5(10.7)	4.8	6.2

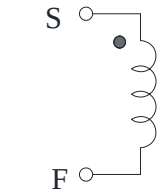
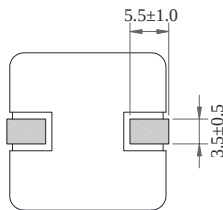
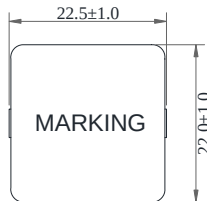
Remark

- 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℃

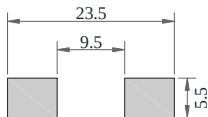
备注

- 电感量测试采用 4284A 数字电桥或同等仪器；
测试频率 100KHz
- 直流电阻测试采用 16502 毫欧表或同等仪器；
环境温度 25℃

Dimensions

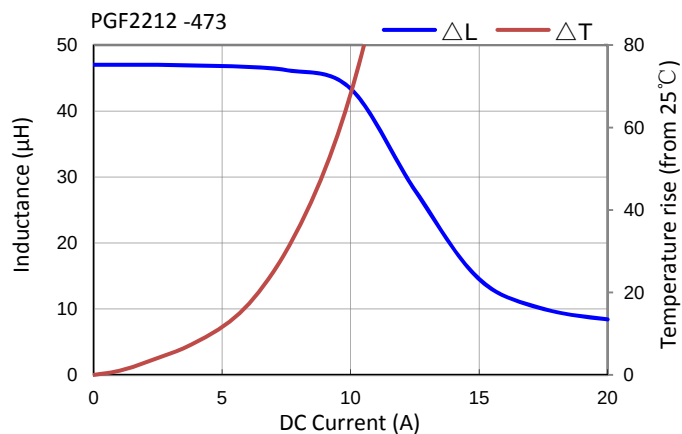
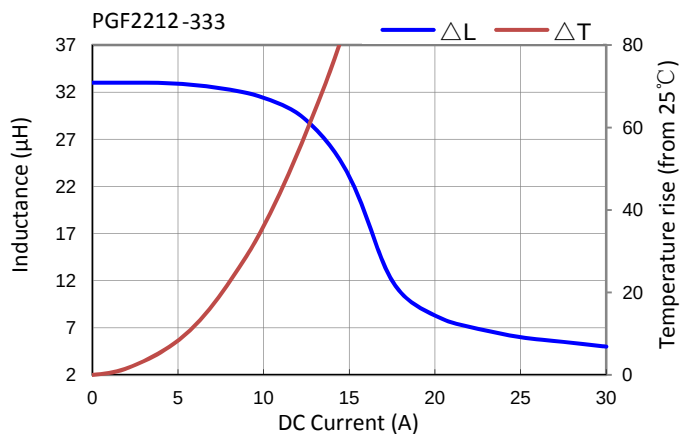
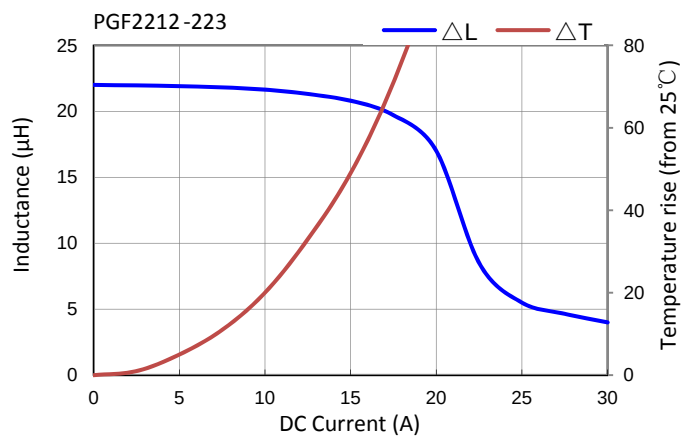
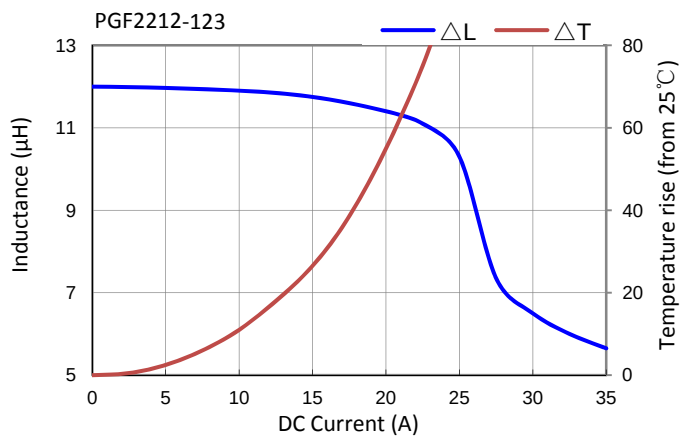
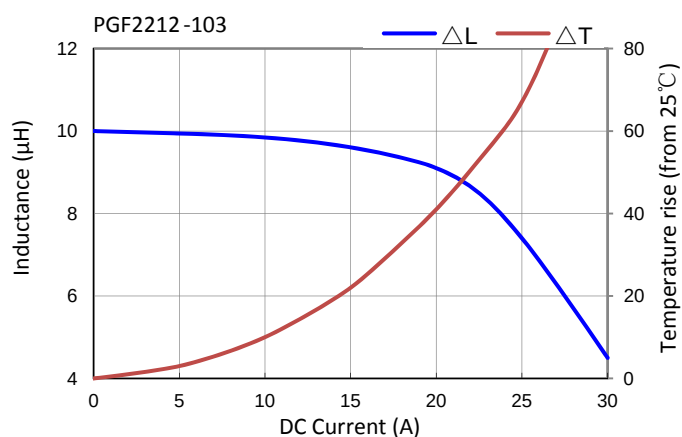
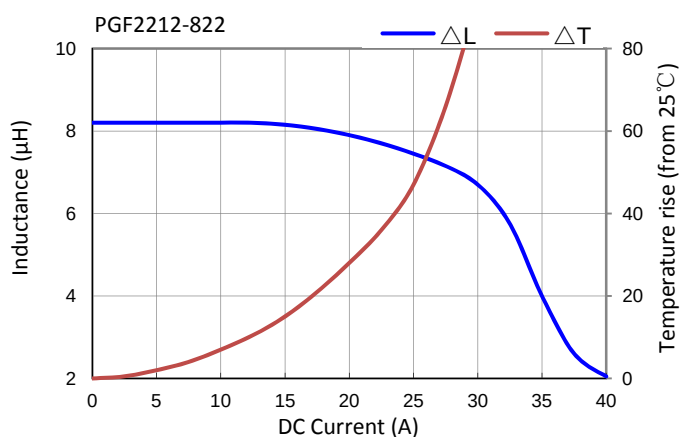
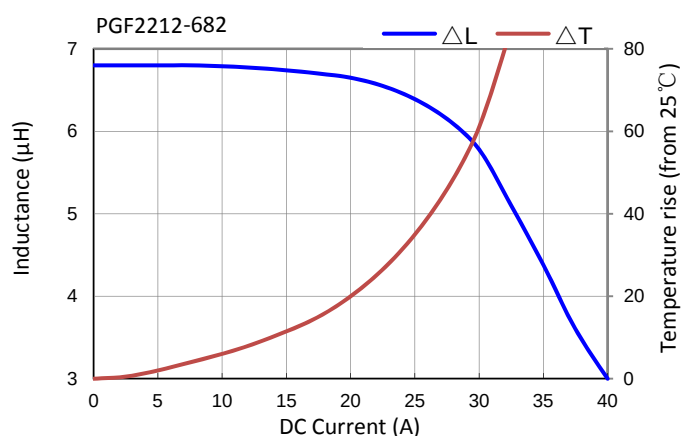
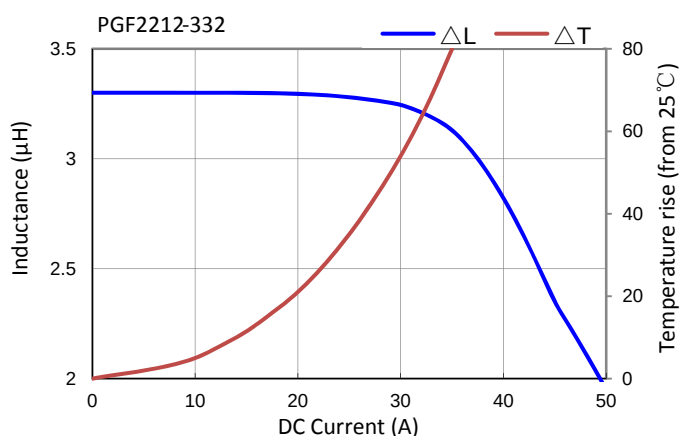


SCHEMATIC



PCB LAYOUT

Electrical Characteristic Curve



Electrical Characteristic Curve

