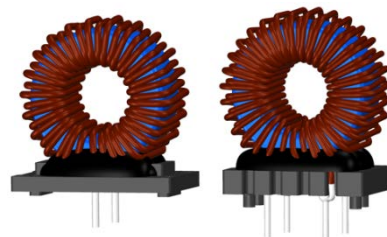


1. Features of PFC114134D Series :

- Alloy powder based DIP Inductor with lower core loss.
- No thermal aging concerns.
- Low leakage magnetic flux.
- Elimination for impulse (EMI) noise.
- Inductance Range: 51.0uH to 1000.0uH, custom values are welcomed.
- High current output chokes, up to 26.6 Amp with approx. 50% roll off.
- Designed and developed for Power Factor Correction applications.
- Foot Print: 29.5×19.0mm max., 34.0 max. Height.
- Surge Voltage: 400VDC.
- Operating Temperature Range: -55°C to + 130°C.
- RoHs & HF compliant.



2. Electrical Characteristics of PFC114134D Series:.

ITG Part Number	OCL ¹ (uH) ±10%	DCR (mΩ) Max.	Isat1 ² (A) @25°C	L@Isat1 ² (uH) Min.	Isat2 ² (A) @25°C	L@Isat2 ² (uH) Min.	Isat3 ² (A) @25°C	L@Isat3 ² (uH) Min.	Irms ³ (A) @25°C
PFC114134D-510K	51.0	16.4	13.6	37.7	17.5	32.3	26.6	22.4	12.5
PFC114134D-101K	102.0	31.0	9.6	75.4	12.4	64.7	18.8	44.8	8.9
PFC114134D-201K	200.0	61.0	6.9	145.8	8.9	125.0	13.5	86.6	6.2
PFC114134D-251K	250.0	80.0	6.1	183.8	7.9	157.6	12.0	109.1	5.2
PFC114134D-351K	350.0	94.0	5.1	259.3	6.7	222.3	10.1	153.9	4.8
PFC114134D-471K	470.0	125.0	4.4	347.6	5.7	298.1	8.7	206.4	4.2
PFC114134D-561K	560.0	151.0	4.1	413.7	5.3	354.7	8.0	245.6	3.8
PFC114134D-691K	690.0	190.0	3.7	504.4	4.8	432.5	7.3	299.5	3.3
PFC114134D-821K	820.0	230.0	3.4	604.1	4.3	518.0	6.6	358.6	3.0
PFC114134D-102K	1000.0	300.0	3.0	735.5	3.9	630.7	6.0	436.7	2.6

Notes:

1. Open Circuit Inductance (OCL) and L@Isat are measured at 100KHz, 0.25V@ 25°C.
2. Isat1: DC current that causes inductance to drop 20%(Typ.) from OCL (Ta=25°C).
Isat2: DC current that causes inductance to drop 30%(Typ.) from OCL (Ta=25°C).
Isat3: DC current that causes inductance to drop 50%(Typ.) from OCL (Ta=25°C).
3. Irms: DC current that causes an approximate temperature rise (ΔT) of 40°C (Ta=25°C).

3. Mechanical Dimension of PFC114134D Series (Unit:mm):

ITG Part Number	Dim. A (mm) Max.	Dim. B (mm) Max.	Dim. C (mm) Max.	Dim. D (mm) ±0.5	Dim. E (mm) ±0.5	Dim. E1 (mm) ±0.5	Dim. E2 (mm) ±0.5	Dim. F (mm) ±0.1	Dim. H (mm) Ref.	Fig.
PFC114134D-510K	29.5	19.0	33.0	5.0	12.0	/	/	Φ1.4	Φ1.9	1
PFC114134D-101K	29.0	19.0	32.5	5.0	12.0	/	/	Φ1.2	Φ1.7	1
PFC114134D-201K	28.5	18.0	34.0	5.0	/	10.0	12.0	Φ1.0	Φ1.5	2
PFC114134D-251K	28.5	18.0	34.0	5.0	/	10.0	12.0	Φ1.0	Φ1.5	2
PFC114134D-351K	28.5	18.0	34.0	5.0	/	10.0	12.0	Φ1.0	Φ1.5	2
PFC114134D-471K	28.5	18.0	34.0	5.0	/	10.0	12.0	Φ1.0	Φ1.5	2
PFC114134D-561K	28.5	18.0	34.0	5.0	/	10.0	12.0	Φ1.0	Φ1.5	2
PFC114134D-691K	28.5	18.0	34.0	5.0	/	10.0	12.0	Φ1.0	Φ1.5	2
PFC114134D-821K	28.5	18.0	34.0	5.0	/	10.0	12.0	Φ1.0	Φ1.5	2
PFC114134D-102K	28.5	18.0	34.0	5.0	/	10.0	12.0	Φ1.0	Φ1.5	2

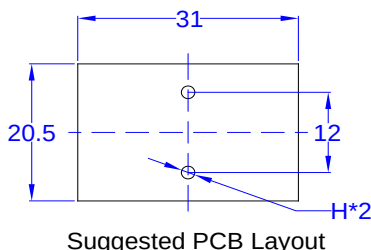
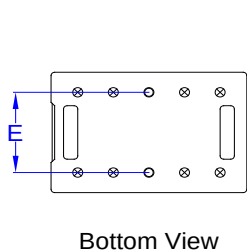
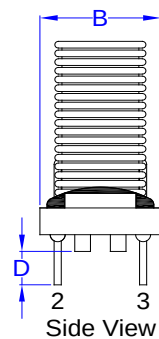
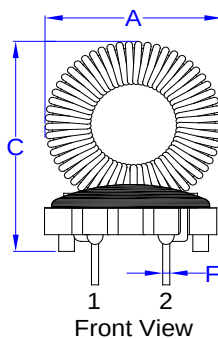
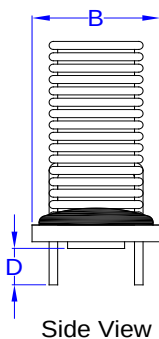
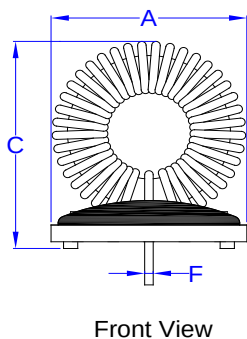


Fig.1

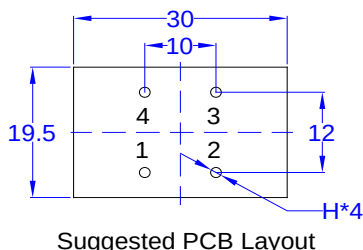
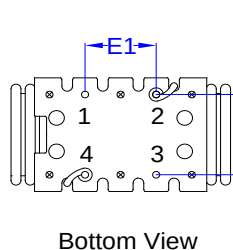
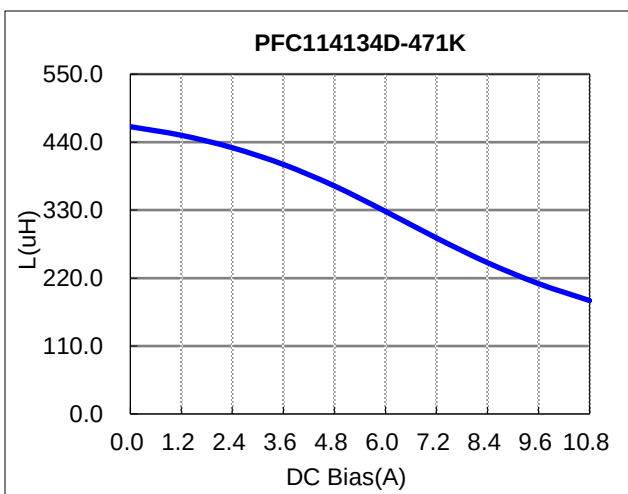
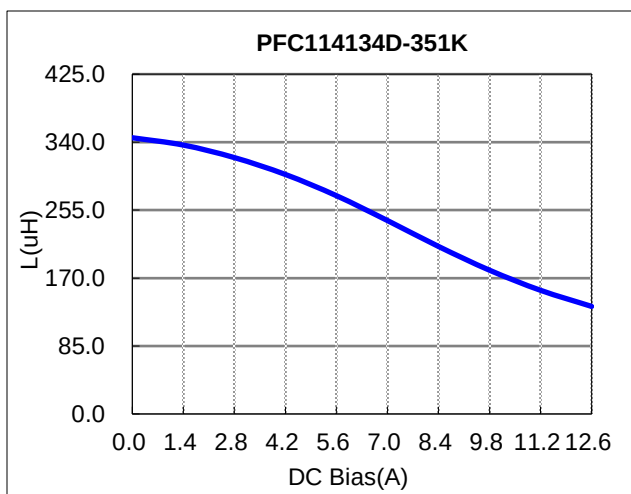
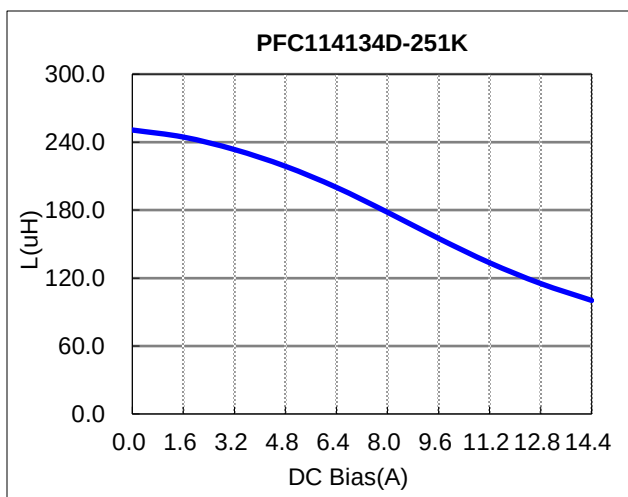
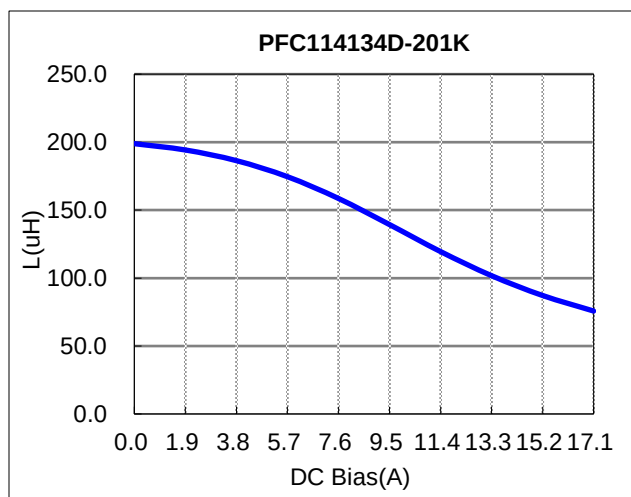
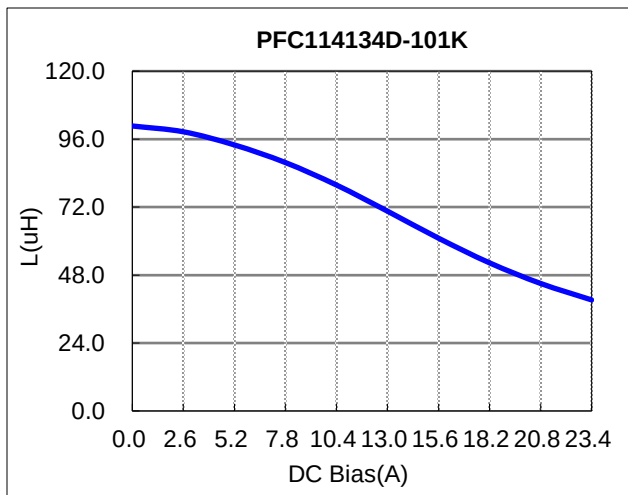
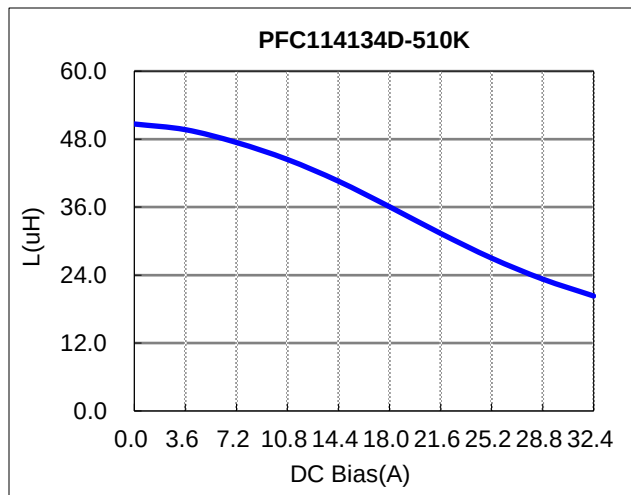


Fig.2

Note: PIN1 & PIN3 provided for mounting stability only.

4. Inductance vs. Current Characteristics of PFC114134D Series :



4. Inductance vs. Current Characteristics of PFC114134D Series :

