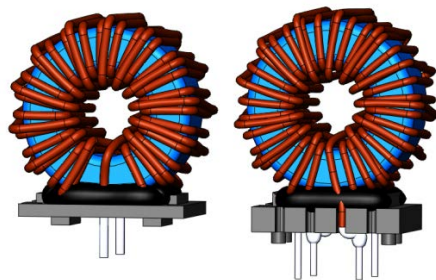


1. Features of PFC130156B Series :

- Alloy powder based DIP Inductor with lower core loss.
- No thermal aging concerns.
- Low leakage magnetic flux.
- Elimination for impulse (EMI) noise.
- Inductance Range: 100.0uH to 1000.0uH, custom values are welcomed.
- High current output chokes, up to 44.8 Amp with approx. 50% roll off.
- Designed and developed for Power Factor Correction applications.
- Foot Print: 33.0×18.0mm max., 39.5 max. Height.
- Surge Voltage: 400VDC.
- Operating Temperature Range: -55°C to + 130°C.
- RoHs & HF compliant.



2. Electrical Characteristics of PFC130156B 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	Dim. A (mm) Max.	Dim. C (mm) Max.	F (mm) ±0.1	Fig.
PFC130156B-101K	100.0	23.0	12.7	75.5	16.6	64.8	24.8	44.8	11.9	33.0	36.5	Φ1.4	1
PFC130156B-201K	200.0	43.5	9.0	149.2	11.8	127.9	17.6	88.6	8.5	33.0	39.5	Φ1.0	2
PFC130156B-251K	250.0	56.0	8.1	185.6	10.6	159.2	15.8	110.2	7.4	32.5	39.0	Φ1.0	2
PFC130156B-351K	350.0	77.0	6.8	262.8	8.9	225.3	13.3	156.0	6.1	32.5	39.0	Φ1.0	2
PFC130156B-471K	470.0	108.0	5.9	344.5	7.8	295.4	11.6	204.5	5.1	32.5	39.0	Φ1.0	2
PFC130156B-561K	560.0	125.0	5.4	417.8	7.0	358.2	10.5	248.0	4.8	32.5	39.0	Φ1.0	2
PFC130156B-691K	690.0	165.0	4.9	508.7	6.4	436.2	9.5	302.0	4.1	32.0	38.5	Φ1.0	2
PFC130156B-821K	820.0	185.0	4.4	608.5	5.8	521.8	8.7	361.3	3.9	32.0	38.5	Φ1.0	2
PFC130156B-102K	1000.0	255.0	4.0	742.7	5.3	636.9	7.9	441.0	3.2	32.0	38.5	Φ1.0	2

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 PFC130156B Series (Unit:mm):

A	B	C	D	E	E1	E2	F
Max.	Max.	Max.	±0.5	±0.5	±0.5	±0.5	±0.1
See table above	18.00	See table above	5.00	12.50	10.00	12.00	See table above

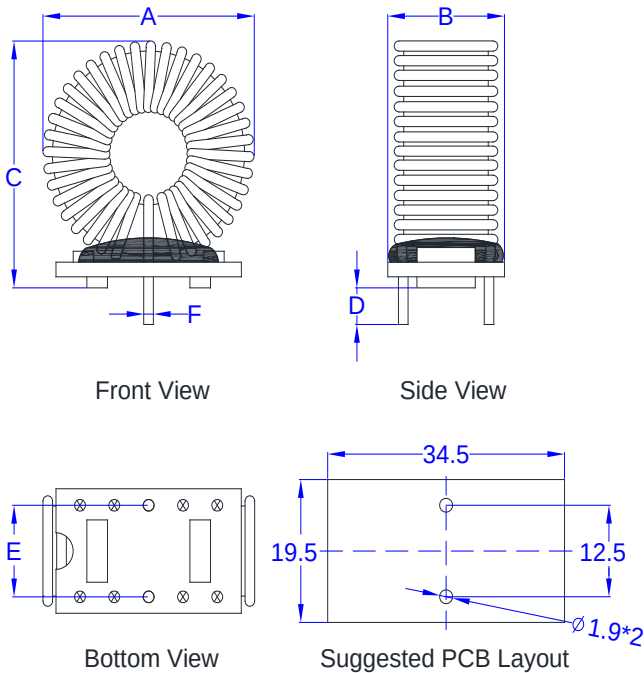


Fig. 1

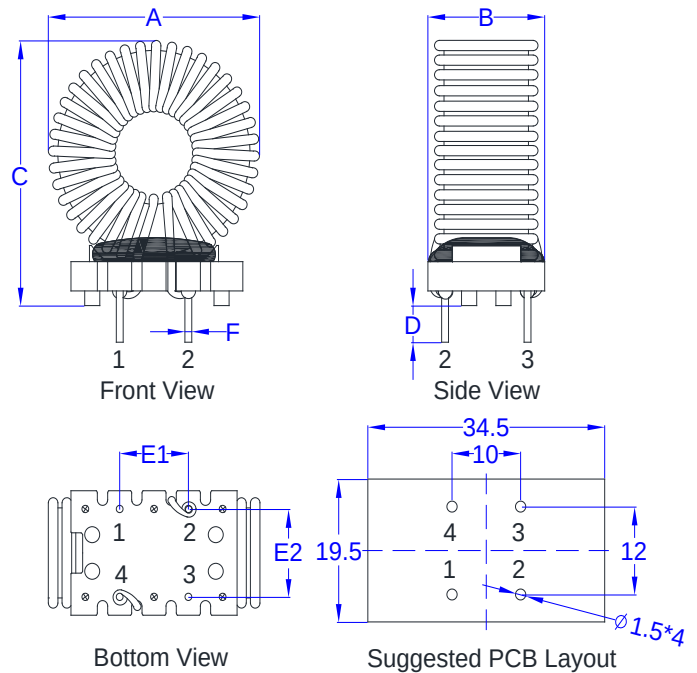
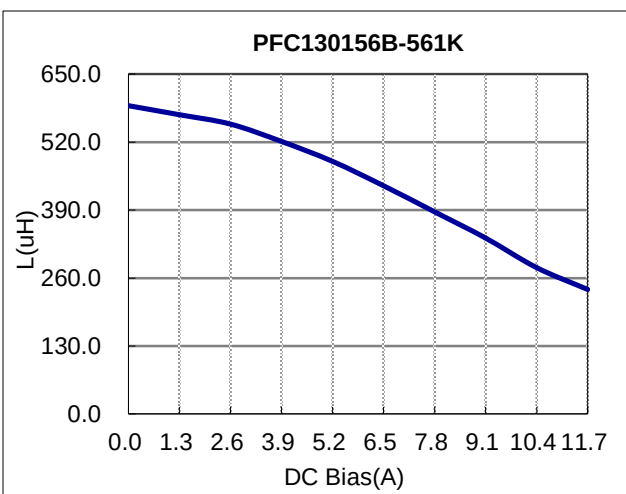
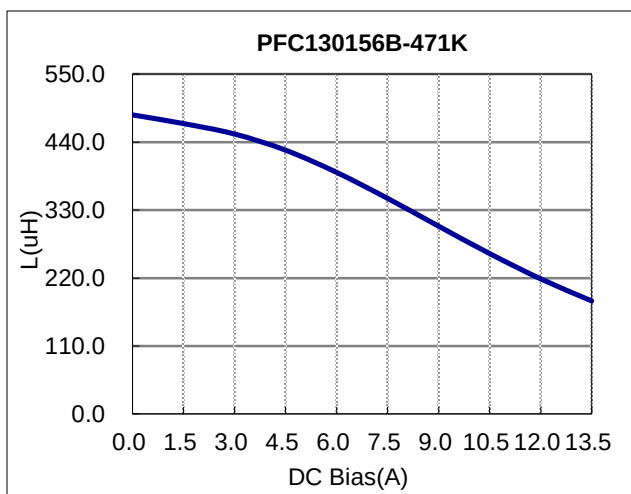
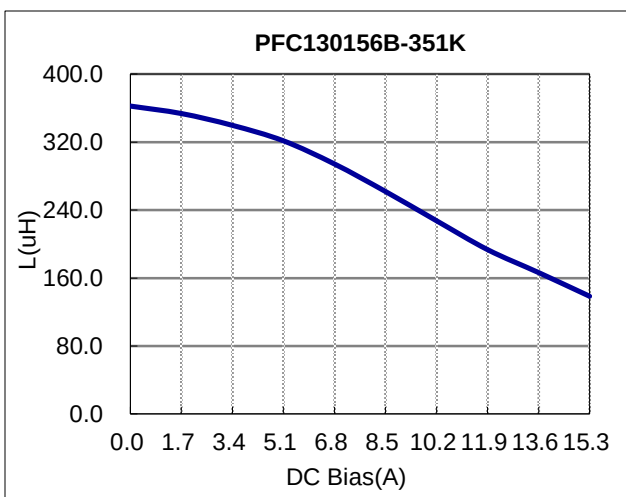
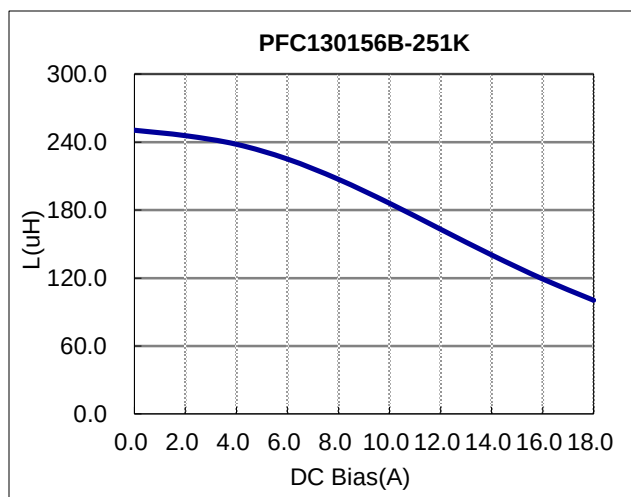
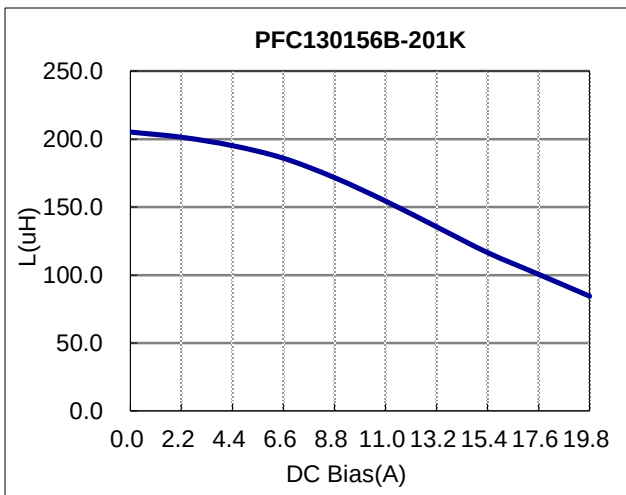
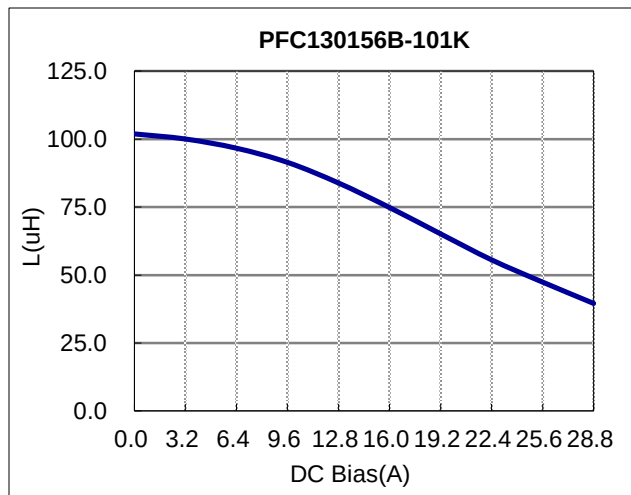


Fig. 2

Note: PIN1 & PIN3 provided for mounting stability only.

4. Inductance vs. Current Characteristics of PFC130156B Series :



4. Inductance vs. Current Characteristics of PFC130156B Series :

