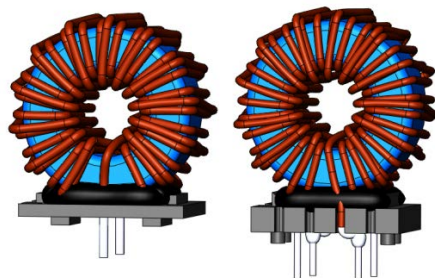


1. Features of PFC130156D Series :

- 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 23.4 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 PFC130156D 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
PFC130156D-101K	100.0	23.0	11.9	75.5	15.4	64.8	23.4	44.8	11.9
PFC130156D-201K	200.0	43.5	8.5	149.2	10.9	127.9	16.6	88.6	8.5
PFC130156D-251K	250.0	56.0	7.6	185.6	9.8	159.2	14.9	110.2	7.4
PFC130156D-351K	350.0	77.0	6.4	262.8	8.2	225.3	12.5	156.0	6.1
PFC130156D-471K	470.0	108.0	5.5	344.5	7.2	295.4	10.9	204.5	5.1
PFC130156D-561K	560.0	125.0	5.0	417.8	6.5	358.2	9.9	248.0	4.8
PFC130156D-691K	690.0	165.0	4.6	508.7	5.9	436.2	9.0	302.0	4.1
PFC130156D-821K	820.0	185.0	4.2	608.5	5.4	521.8	8.2	361.3	3.9
PFC130156D-102K	1000.0	255.0	3.8	742.7	4.9	636.9	7.4	441.0	3.2

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 PFC130156D 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	Fig.
PFC130156D-101K	33.0	18.0	36.5	5.0	12.5	/	/	Φ1.4	1
PFC130156D-201K	33.0	18.0	39.5	5.0	/	10.0	12.0	Φ1.0	2
PFC130156D-251K	32.5	18.0	39.0	5.0	/	10.0	12.0	Φ1.0	2
PFC130156D-351K	32.5	18.0	39.0	5.0	/	10.0	12.0	Φ1.0	2
PFC130156D-471K	32.5	18.0	39.0	5.0	/	10.0	12.0	Φ1.0	2
PFC130156D-561K	32.5	18.0	39.0	5.0	/	10.0	12.0	Φ1.0	2
PFC130156D-691K	32.0	18.0	38.5	5.0	/	10.0	12.0	Φ1.0	2
PFC130156D-821K	32.0	18.0	38.5	5.0	/	10.0	12.0	Φ1.0	2
PFC130156D-102K	32.0	18.0	38.5	5.0	/	10.0	12.0	Φ1.0	2

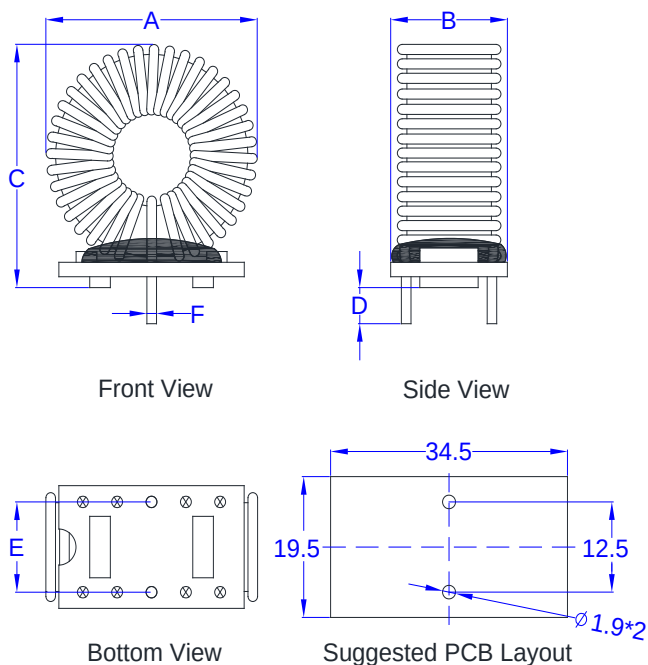


Fig. 1

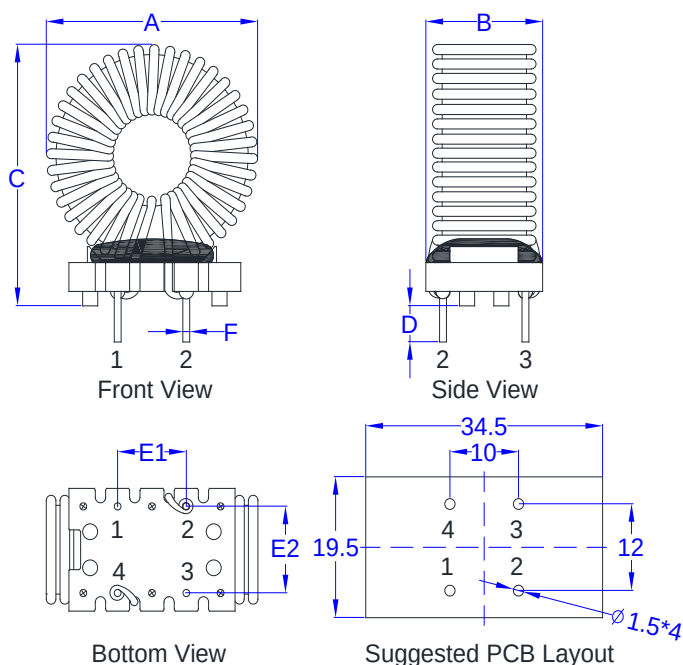
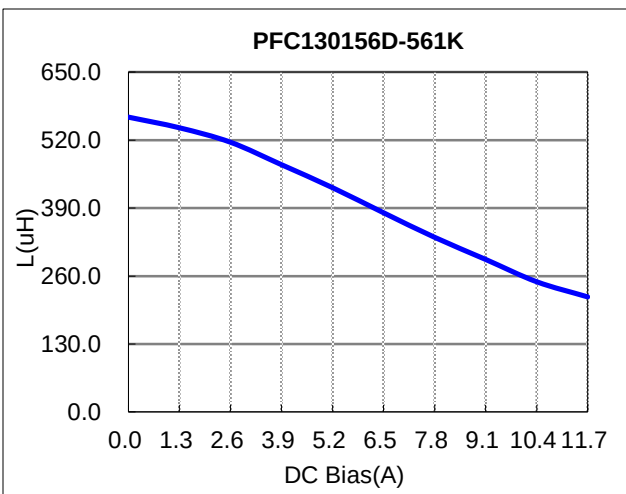
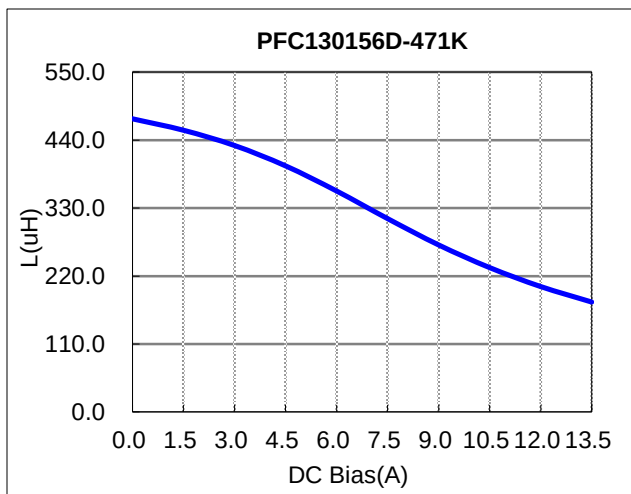
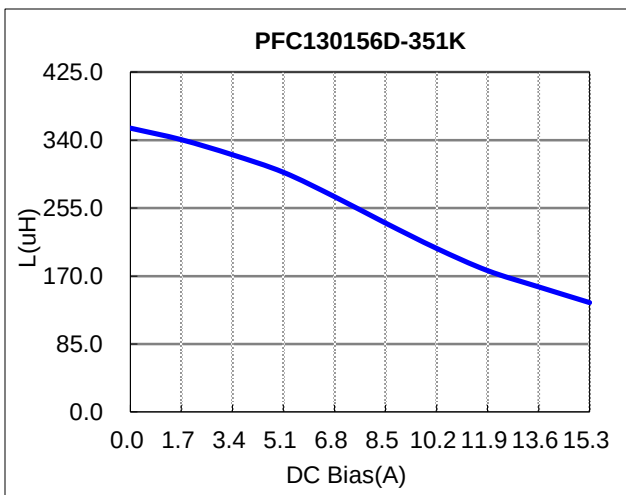
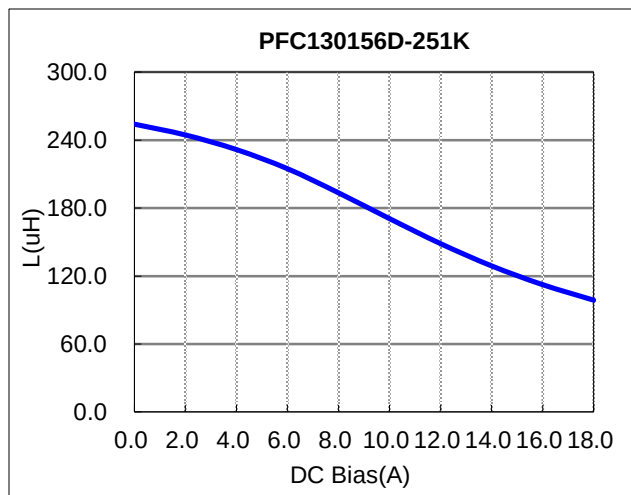
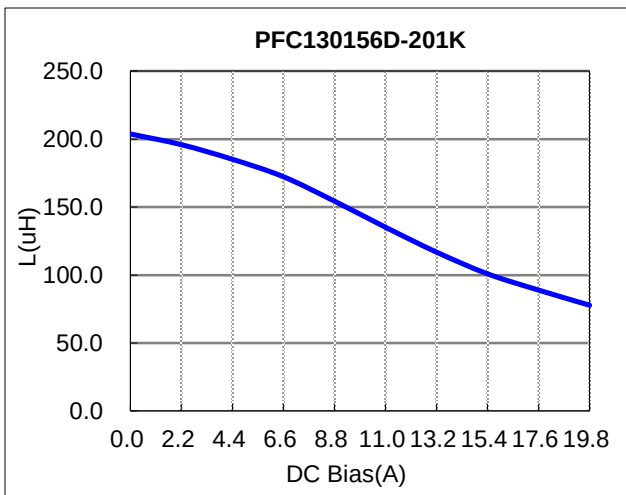
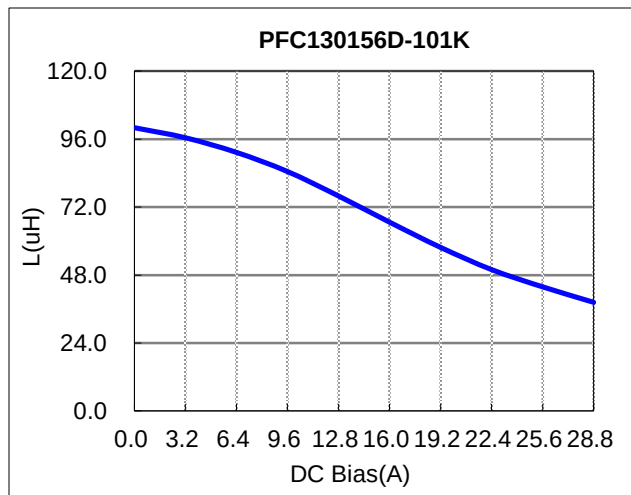


Fig. 2

Note: PIN1 & PIN3 provided for mounting stability only.

4. Inductance vs. Current Characteristics of PFC130156D Series :



4. Inductance vs. Current Characteristics of PFC130156D Series :

