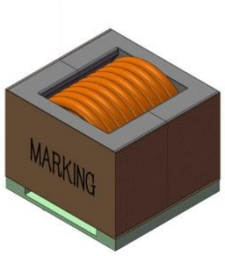
PFC SERIES

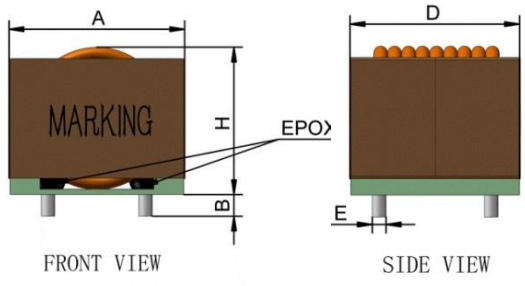
Power Factor Correction Choke

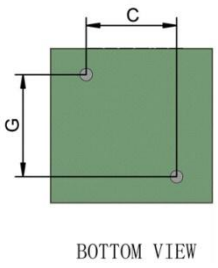


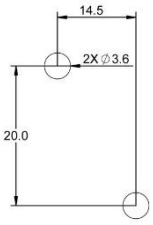
Applications:

- Server Power Supply Unit
- Data Center Power Supplies
- Industrial Power Supplies
- Renewable Energy Inverter

Shape and Dimensions







SUGGESTED PCB LAYOUT

Item	A	B	C	D	E	F	G	H	I	J
	Max.	±0.5	±1.0	Max	±1.0	±0.3	±1.0	Max		
EQ3222-100UH-B03	33	4.0	14.5	31.5	2.0	25.1	20.0	31.0		

Features :

- High performance (I sat) realized by metal dust core.
- Low loss realized with low DCR
- Magnetically Shielded.
- High isolation voltage 1.5 kVdc
- RoHS compliant.

Product Identification:

EQ 3222 - 100UH – B03

(1) (2) (3) (4)

(1) Type: Product type

(2) Dimensions :3222 is size

(3) Inductance:100UH for 100uH

(4) Design Code

Characteristics:

- Saturation Current (Isat) : The current will cause L_0 to drop approximately 20%/30%/50% typical
- Temperature Rise Current (Irms) : The current will cause the coil temperature rise approximately △T=40℃
- Operating Temperature : -55℃ to 155℃

Test equipments :

- L tested by Wayne kerr 3260B LCR meter with Wayne kerr 3265B bias current source.
- DCR tested by Milli-ohm meter.
- Electrical specifications at 25℃.

● EQ3626-A3 series

Part No.	L (uH)	Tolerance (±%)	DCR(mΩ) Max.	I sat[1](A) Typ.	I sat[2](A) Typ.	I sat[3](A) Typ.	I rms(A) Typ.
EQ3222-100UH-B03	100	10	20	33	39	50	12.5

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25℃.

Note 2: Test Condition :100KHz ,1.0 Vrms.

Note 3: I sat[1] (Typ) : DC current（A）that will cause L0 to drop approximately 20% (Ta=25℃)

I sat[2] (Typ) : DC current（A）that will cause L0 to drop approximately 30% (Ta=25℃)

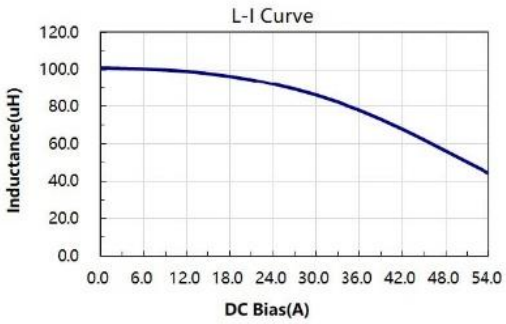
I sat[3] (Typ) : DC current（A）that will cause L0 to drop approximately 50% (Ta=25℃)

I rms (Typ) : DC current（A）that will cause an approximate ΔT of 40℃

Note 4: Operating temperature range includes self-temperature rise.

Typical performance curves :

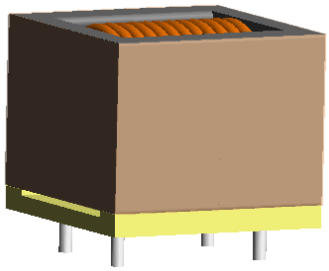
EQ3222-100UH-B03



* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others), kindly invite you to access 3L official website www.3lcoil.com for better known.

PFC SERIES

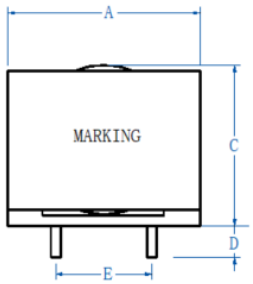
Power Factor Correction Choke For HVDC 800V



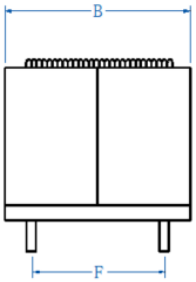
Applications:

- Server Power Supply Unit
- Data Center Power Supplies
- Industrial Power Supplies
- Renewable Energy Inverter

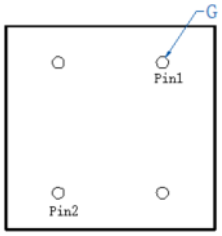
Shape and Dimensions



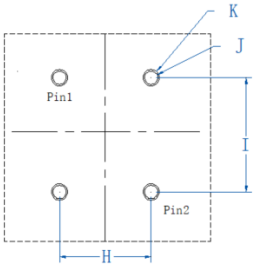
FRONT VIEW



SIDE VIEW



BOTTOM VIEW



SUGGESTED PCB LAYOUT

Item	A Max.	B Max.	C Max.	D ±0.3	E ±0.3	F ±0.3	G ±0.2	H ±0.1	I ±0.1	J Typ.	K Typ.
EQ3626-100UH-A03	37.0	36.0	31.0	5.8	17.0	24.0	Φ2.3	17.0	24.0	Φ3.0	Φ3.6
EQ3626-200UH-A03	37.0	36.0	31.0	5.8	17.0	24.0	Φ2.0	17.0	24.0	Φ2.6	Φ3.2
EQ3626-350UH-A03	37.0	36.0	31.0	5.8	17.0	24.0	Φ1.6	17.0	24.0	Φ2.2	Φ2.8

Features :

- High performance (I sat) realized by metal dust core.
- Low loss realized with low DCR
- Magnetically Shielded.
- High isolation voltage 1.5 kVDC
- RoHS compliant.

Product Identification:

EQ 3626 - 100UH – A03

(1) (2) (3) (4)

(1) Type: Product type

(2) Dimensions :3626 is size

(3) Inductance:100UH represents 100uH

(4) Design Code

Characteristics:

- Saturation Current (Isat) : The current will cause L_0 to drop approximately 20%/30%/50% typical
- Temperature Rise Current (Irms) : The current will cause the coil temperature rise approximately △T=40℃
- Operating Temperature : -55℃ to 150℃

Test equipments :

- L tested by Wayne kerr 3260B LCR meter with Wayne kerr 3265B bias current source.
- DCR tested by Milli-ohm meter.
- Electrical specifications at 25℃.

● EQ3626-A3 series

Part No.	L (uH)	Tolerance (±%)	DCR(mΩ) Max.	I sat[1](A) Typ.	I sat[2](A) Typ.	I sat[3](A) Typ.	I rms(A) Typ.
EQ3626-100UH-A03	100	10	20	33	39	52	30
EQ3626-200UH-A03	200	10	33	25	29	38	21
EQ3626-350UH-A03	350	10	65	18	22	30	15

If you require another part number please contact with us.

Note 1: Referenced ambient temperature 25℃.

Note 2: Test Condition :100KHz ,1.0 Vrms.

Note 3: I sat[1] (Typ) : DC current（A）that will cause L0 to drop approximately 20% (Ta=25℃)

I sat[2] (Typ) : DC current（A）that will cause L0 to drop approximately 30% (Ta=25℃)

I sat[3] (Typ) : DC current（A）that will cause L0 to drop approximately 50% (Ta=25℃)

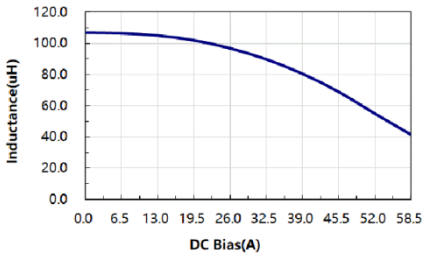
I rms (Typ) : DC current（A）that will cause an approximate ΔT of 40℃

Note 4: Operating temperature range includes self-temperature rise.

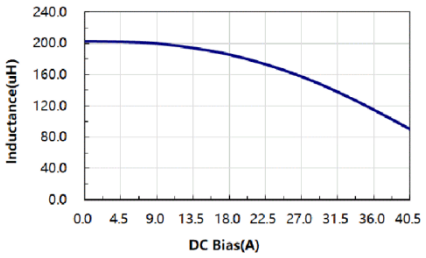
Note 5: This product is still under development and the spec would be modified before EVT.

Typical performance curves :

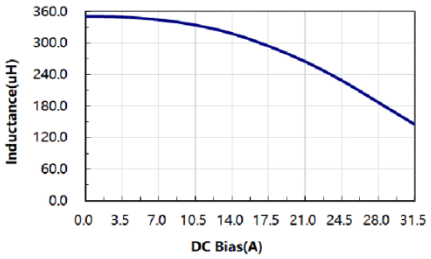
EQ3626-100UH-A03



EQ3626-200UH-A03



EQ3626-330UH-A03



* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others), kindly invite you to access 3L official website www.3lcoil.com for better known.