PFC01403925DV Series

1. Features:

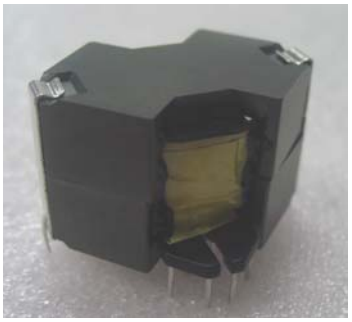
· Ferrite cores are used to realize lower core loss.

· Ideally used as Power Factor Correction choke.

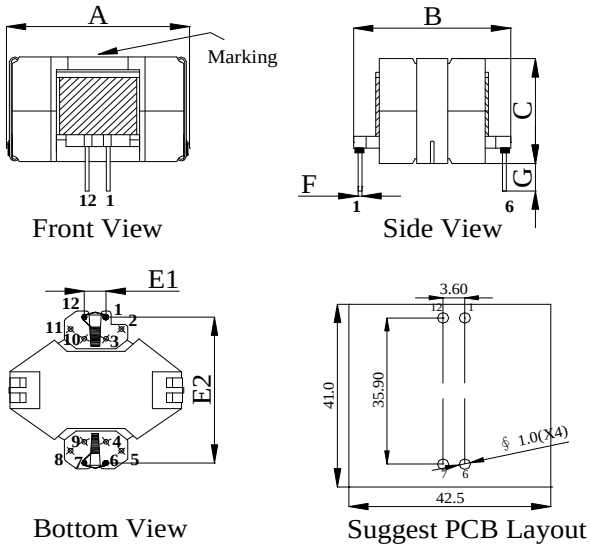
· Also can be used as boost inductor in power supplies.

· 40.0mm×39.0×25.0mm (L×W×H) Max. Custom value are welcomed.

· Operating Temperature Range -55°C to + 130°C;RoHs & HF compliance.



2. Mechanical Dimension(Unit:mm):



Type	PFC01403925DV
A	40.0 (Max.)
B	39.0 (Max.)
C	25.0 (Max.)
G	3.5 ± 1.0
E1	3.6 ± 0.5
E2	35.9 ± 0.5
F	Ø0.8 ± 0.1

3. Electrical Characteristic of PFC01403925DV Series:

Part Number	OCL (uH) ±20%	DCR (mΩ) (Typ.)	DCR (mΩ) (Max.)	Irms (A) @25℃	L@Irms (uH) Typ.	Isat[1] (A) @25℃	L@Isat[1] (uH) Typ.	Isat[2] (A) @25℃	L@Isat[2] (uH) Typ.	Isat[3] (A) @100℃	L@Isat[3] (uH) Typ.
PFC01403925DV-151MHF	155.00	66.30	80.00	7.80	79.81	12.50	145.04	14.00	125.30	10.50	130.00
PFC01403925DV-221MHF	220.00	112.10	135.00	5.80	220.48	12.00	205.25	13.70	159.79	10.20	175.25

Note:

1.OCL (Open Circuit Inductance) and L@Irms and L@Isat are measured at:100KHz, 0.25V @ 25ºC.

2.Measured with pin(1,12)~pin(6,7),Pin 1&12 connected,Pin 6&7connected,Pin2,3,4,5,8,9,10,11 cut off.

3.Isat[1]:DC current that causes inductance to drop by approximately 10% from OCL at 25ºC.

4.Isat[2]:DC current that causes inductance to drop by approximately 30% from OCL at 25ºC.

5.Isat[3]:DC current that causes inductance to drop by approximately 30% from OCL at 100ºC.

6.Irms:DC current that causes an approximate temperature rise (△T) of 40℃.

7.Inductance Vs. DC bias curve,please see the next page to get more detail information.

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Inductance vs. Current