



PFC01403925DV Series

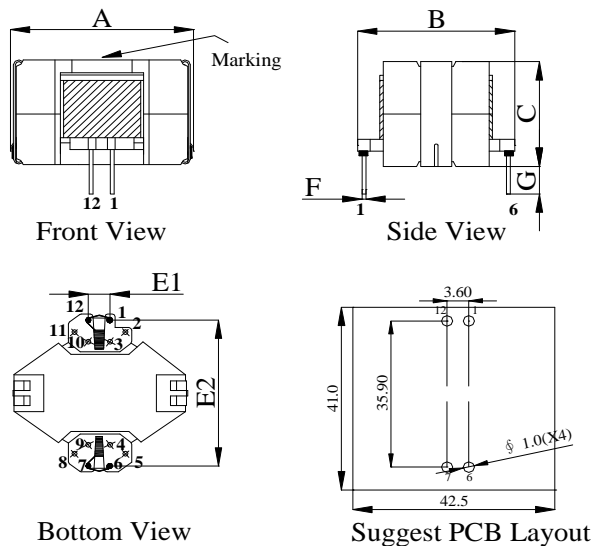


1. Features:

- 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.)	I _{rms} (A) @25°C	L@I _{rms} (uH) Typ.	Isat ¹ (A) @25°C	L@Isat ¹ (uH) Typ.	Isat ² (A) @25°C	L@Isat ² (uH) Typ.	Isat ³ (A) @100°C	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@I_{rms} and L@Isat are measured at:100KHz, 0.25V @ 25°C.
- 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.Isat¹:DC current that causes inductance to drop by approximately 10% from OCL at 25°C.
- 4.Isat²:DC current that causes inductance to drop by approximately 30% from OCL at 25°C.
- 5.Isat³:DC current that causes inductance to drop by approximately 30% from OCL at 100°C.
- 6.I_{rms}:DC current that causes an approximate temperature rise (ΔT) of 40°C.
- 7.Inductance Vs. DC bias curve,please see the next page to get more detail information.



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Inductance vs. Current

