



DCN181320V Series

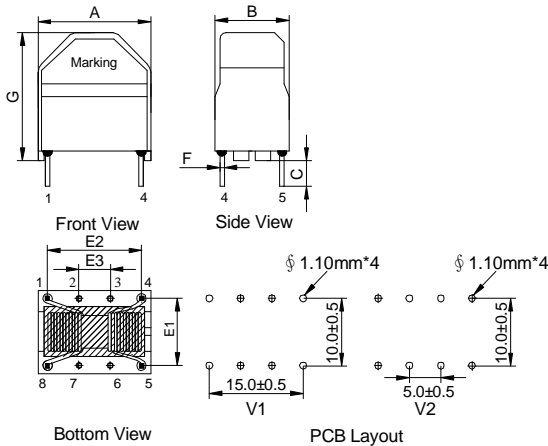


1. Features:

- 18.5×13.5mm Max.(L×W),20.5mm Max. Height.
- Inductance range: 0.70mH~39.0mH,Custom values are welcomed.
- Ideally used as AC common mode noise filter for TV, VCR, Switching power supply, PC & PC related advice, measurement, attenuation and control unit with better characteristics in low frequency band.
- Dielectric strength:1500Vrms,winding to winding.
- Two PCB layout (V1 or V2) for customer consideration.
- UL Class B Compliance Common Mode Chokes.
- Operating temperature:-40 to +125°C,RoHS & HF compliance.



2. Mechanical Dimension (Unit:mm):



Unit in mm:

A	B	C	E1	E2	E3	F	G
Max	Max	±0.5	±0.5	±0.5	±0.5	Typical	Max
18.50	13.50	3.00	10.00	15.00	5.00	0.64x0.64	20.50

3. Electrical Characteristic of DCN181320V Series:

Part Number	L (mH) ±50%	I _{rate} (A) Max	DCR (Ω) Max	UR (Vac) Max
DCN181320V□-701HF	0.7	6.50	0.010	250.0
DCN181320V□-102HF	1.0	5.40	0.016	250.0
DCN181320V□-222HF	2.2	3.50	0.033	250.0
DCN181320V□-332HF	3.3	2.50	0.052	250.0
DCN181320V□-682HF	6.8	1.80	0.089	250.0
DCN181320V□-103HF	10.0	1.40	0.120	250.0
DCN181320V□-153HF	15.0	1.20	0.210	250.0
DCN181320V□-273HF	27.0	1.10	0.410	250.0
DCN181320V□-393HF	39.0	0.90	0.620	250.0
DCN181320V□-104HF	100.0	0.38	1.700	250.0
DCN181320V□-154HF	150.0	0.24	3.300	250.0

Test Condition:

- 1.Open Circuit Inductance (OCL) measured at 10KHz, 0.05Vrms, 0 Amp at 25°C.
- 2.I_{rate} is defined as the applied current level that cause 35 °C temperature rise without force air flow.
- 3.Impedance measures with both windings in parallel and at ambient temperature(25°C).
- 4.PCB layout:V1:Without PIN2,3,6,7;V2:Without PIN1,4,5,8.

4. Impedance vs. Frequency Curve:

