



DCM181320V Series

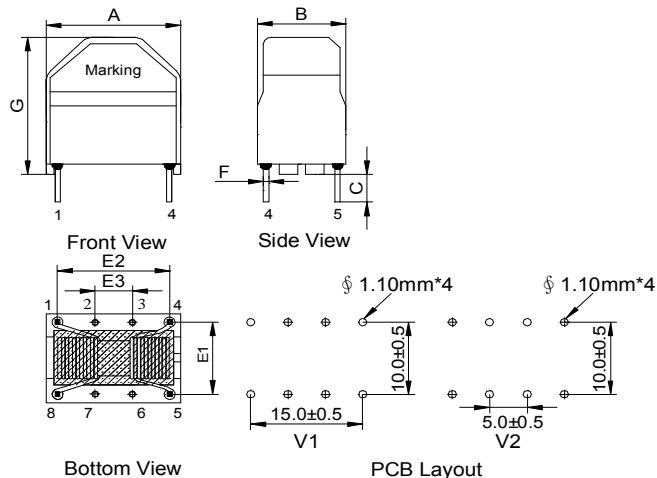


1. Features:

- 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:-55 to +130°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 DCM181320V Series:

Part Number	L (mH) ±30%	I _{rate} (A) Max	DCR (Ω) Max	U _R (Vac) Max
DCM181320V□-701NHF	0.7	5.0	0.027	250.0
DCM181320V□-102NHF	1.0	2.5	0.055	250.0
DCM181320V□-222NHF	2.2	2.0	0.090	250.0
DCM181320V□-332NHF	3.3	1.5	0.140	250.0
DCM181320V□-682NHF	6.8	1.2	0.280	250.0
DCM181320V□-103NHF	10.0	0.7	0.500	250.0
DCM181320V□-153NHF	15.0	0.5	0.780	250.0
DCM181320V□-273NHF	27.0	0.4	1.200	250.0
DCM181320V□-393NHF	39.0	0.3	1.700	250.0

Test Condition:

- 1.Open Circuit Inductance (OCL) measured at 10KHz, 0.05Vrms, 0 Amp at 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:

