

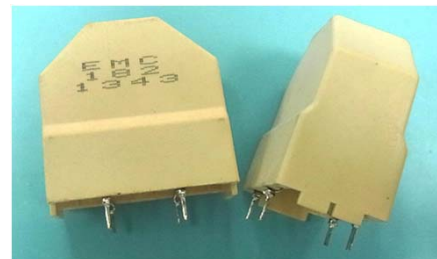


# DCM321835V Series

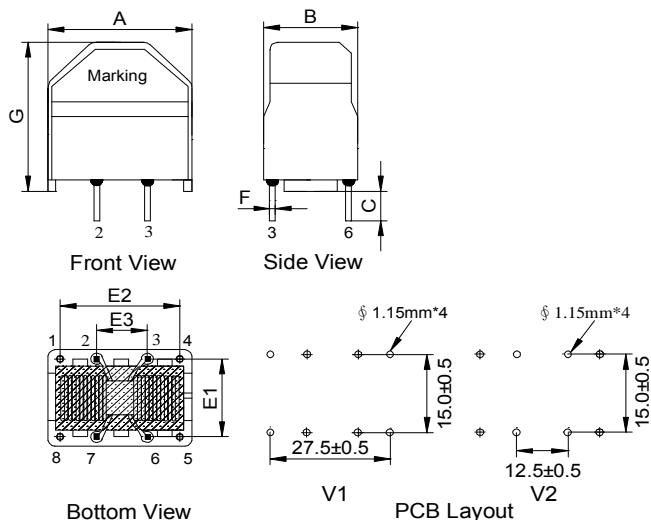


## 1. Features:

- 32.5×18.5mm Max.(L×W), 35.5mm Max. Height.
- Inductance range: 1.8mH~27.0mH, 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 Max	B Max	C ±0.5	E1 ±0.5	E2 ±0.5	E3 ±0.5	F Typical	G Max
32.50	18.50	3.00	15.00	27.50	12.50	0.66x0.66	35.50

## 3. Electrical Characteristic of DCM321835V Series:

Part Number	L (mH) ±30%	I <sub>rate</sub> (A) Max	DCR (Ω) Max	U <sub>R</sub> (Vac) Max
DCM321835V□-182NHF	1.8	6.0	0.036	250.0
DCM321835V□-332NHF	3.3	4.0	0.070	250.0
DCM321835V□-103NHF	10.0	3.0	0.155	250.0
DCM321835V□-273NHF	27.0	1.6	0.400	250.0

### Test Condition:

1. Open Circuit Inductance (OCL) measured at 10KHz, 0.05Vrms, 0 Amp at 25°C.
2. I<sub>rate</sub> 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:

