

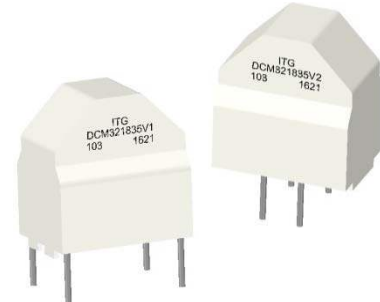


# DCM321835V Series



## 1. Features of DCM321835V Series :

- 32.5×18.5mm Max.(L×W),35.5mm Max. Height
- Inductance range: 1.80mH~27.0mH, Custom values are welcomed.
- Ideally used as AC common mode noise filter for TV, VCR, switch mode power supply, inverter, industrial equipment, attenuation and control unit with better characteristics in low frequency band.
- Dielectric strength: 1500Vrms, winding to winding
- UL Class B Compliant Common Mode Chokes
- Two PCB Layouts (V1 & V2) for customer consideration
- Operating temperature: -55 to +130°C
- RoHS & HF compliant

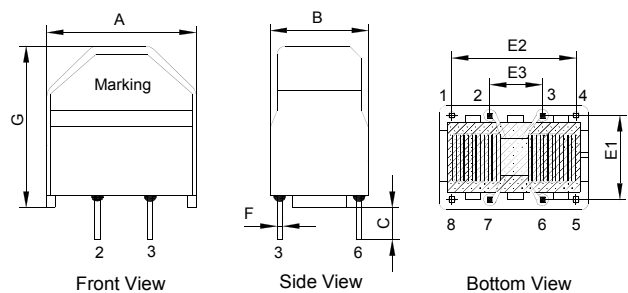


## 2. Electrical Characteristics of DCM321835V Series:

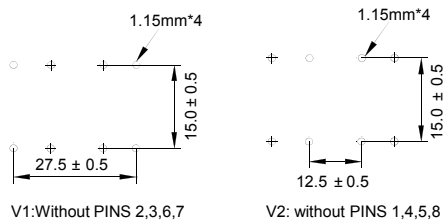
Part Number	L (mH) ±30% Max	Irate (A) Max	DCR (Ω) Max	U <sub>R</sub> (Vac) Max
DCM321835V*-182NHF	1.8	6.0	0.036	250.0
DCM321835V*-332NHF	3.3	4.0	0.070	250.0
DCM321835V*-103NHF	10.0	3.0	0.155	250.0
DCM321835V*-273NHF	27.0	1.6	0.400	250.0

## 3. Mechanical Dimensions (unit:mm):

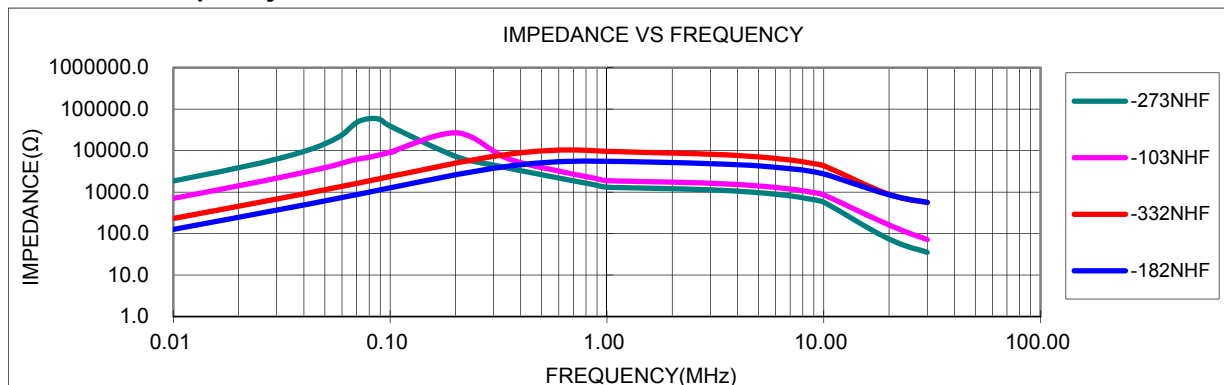
A Max	B Max	C ±0.5	E1 ±0.5	E2 ±0.5	E3 ±0.5	F Typical	G Max
32.50	18.50	3.00	15.00	27.50	12.50	0.66x0.66	35.50



PCB Layout



## 4. Impedance vs Frequency Curve of DCM321835V Series:



### Test Condition:

1. Open Circuit Inductance (OCL) measured at 10KHz, 0.05Vrms, 0 Amp at 25°C
2. Irate 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)

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\*Due to continuous product improvement, all specifications are subject to change without prior notice. Kindly contact an ITG field application engineer or a sales representative prior to purchase.