

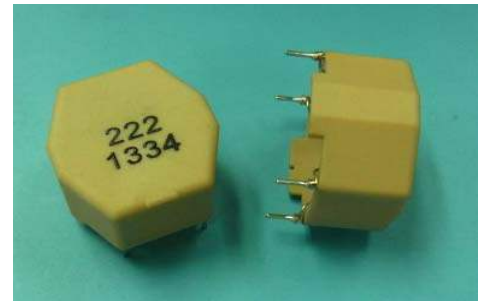


# DCM282818H Series

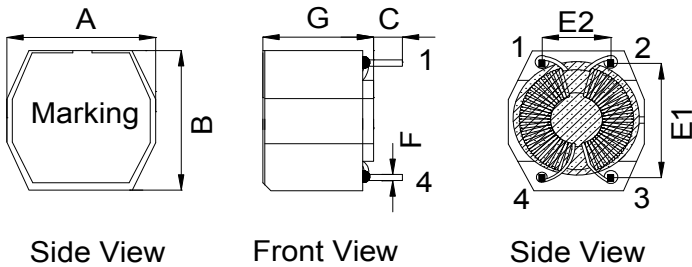


## 1. Features:

- 28.0×28.0mm Max.(L×W),18.0mm Max. Height.
- Inductance range: 2.2mH~25.0mH,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 Compliance Common Mode Chokes.
- Operating temperature:-55 to +130°C .



## 2. Mechanical Dimension (Unit:mm):



Unit in mm:

A	B	C	E1	E2	F	G
Max .	Max.	±0.5	±0.5	±0.5	Typical	Max.
28.00	28.00	3.00	25.0	15.0	0.64x0.64	18.0

## 3. Electrical Characteristic of DCM282818H Series:

Part Number	L (mH) ±30%	I <sub>rate</sub> (A) Max	DCR (Ω) Max
DCM282818H-222NHF	2.2	6.0	0.034
DCM282818H-332NHF	3.3	5.0	0.055
DCM282818H-502NHF	5.0	4.0	0.085
DCM282818H-103NHF	10.0	2.5	0.170
DCM282818H-203NHF	20.0	2.0	0.300
DCM282818H-253NHF	25.0	1.5	0.430

### Test Condition:

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

