

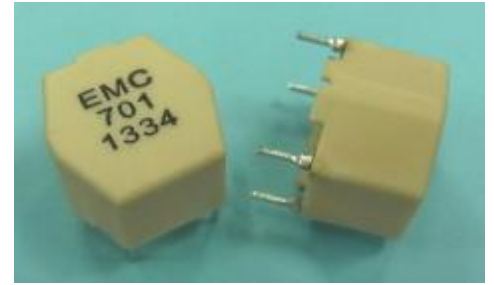


# DCN181713H Series

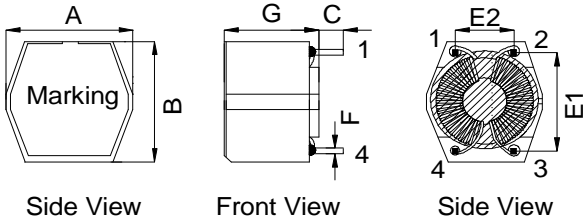


## 1. Features:

- 18.0×17.5mm Max.(L×W),13.0mm 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.
- 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 Max	B Max	C ±0.5	E1 ±0.5	E2 ±0.5	F Typical	G Max
17.50	18.00	3.00	15.00	10.00	0.64x0.64	13.00

## 3. Electrical Characteristic of DCN181713H Series:

Part Number	L (mH) ±50%	I <sub>rate</sub> (A) Max	DCR (Ω) Max	U <sub>R</sub> (Vac) Max
DCN181713H-701HF	0.7	6.50	0.010	250.0
DCN181713H-102HF	1.0	5.40	0.016	250.0
DCN181713H-222HF	2.2	3.50	0.033	250.0
DCN181713H-332HF	3.3	2.50	0.052	250.0
DCN181713H-682HF	6.8	1.80	0.089	250.0
DCN181713H-103HF	10.0	1.40	0.120	250.0
DCN181713H-153HF	15.0	1.20	0.210	250.0
DCN181713H-273HF	27.0	1.10	0.410	250.0
DCN181713H-393HF	39.0	0.90	0.620	250.0
DCN181713H-104HF	100.0	0.38	1.700	250.0
DCN181713H-154HF	150.0	0.24	3.300	250.0

### 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:

