



FCM231426V Series



1. Features of FCM231426V Series :

- 23.0×14mm Max.(L×W),25.5mm Max. Height
- Single Layer flat wire design which can reduce high-frequency noise and skin effect loss.
- Inductance range: 6.00mH~15.0mH, Custom values are welcomed.
- Ideally used as AC common mode noise filter for TV, VCR, switch mode power supply, inverter, measurement, attenuation and control unit with better characteristics in low frequency band.
- Dielectric strength: 1800Vrms, winding to winding
- Insulation Resistance: 100MΩ Min (Coil to core) at 500Vdc
- Operating temperature: -25 to +105°C
- RoHS & HF compliant



2. Electrical Characteristics of FCM231426V Series:

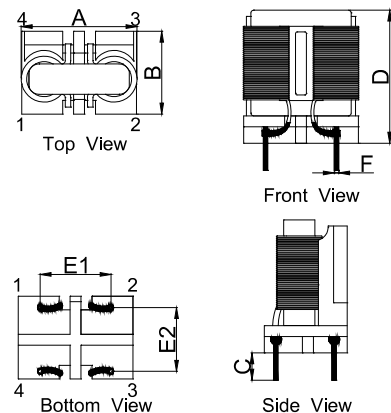
ITG Part Number	L (mH) ±30%	Irate (A) Max	DCR (Ω) Max
FCM231426V-602YHF	6.0	3.20	0.053
FCM231426V-103YHF	10.0	2.00	0.128
FCM231426VA-103YHF*	10.0	2.60	0.090
FCM231426V-153YHF	15.0	1.50	0.200

3. Mechanical Dimensions (unit:mm):

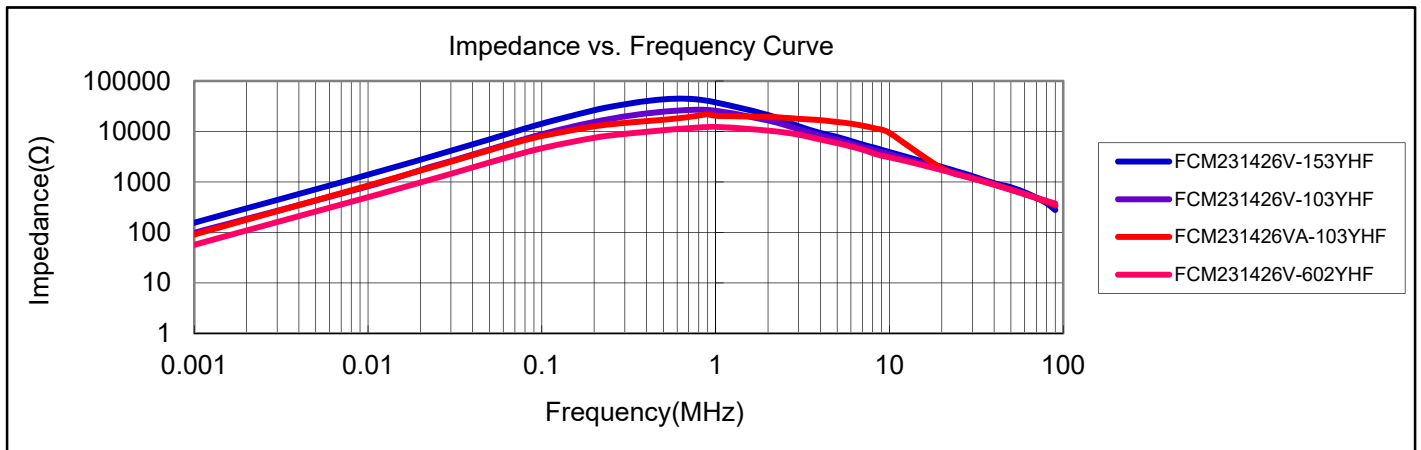
A*	B	C	D	E1	E2	F
Max.	Max.	±0.5	Max	±0.5	±0.5	±0.1
23.0	14.0	3.5	25.5	13.0	10.0	0.7

* A = 24mm max. for P/N FCM231426VA-103YHF

Mechanical Drawing (unit:mm)



4. Impedance vs Frequency Curve of FCM231426V Series:



Test Condition:

1. Open Circuit Inductance (OCL) measured at 1.0KHz, 0.1Vrms, 0 Amp at 25°C
2. Irate is defined as the applied current level that cause 40 °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.