

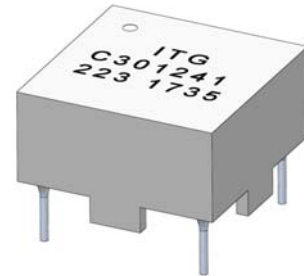


C301241 Series



1. Features of C301241 Series :

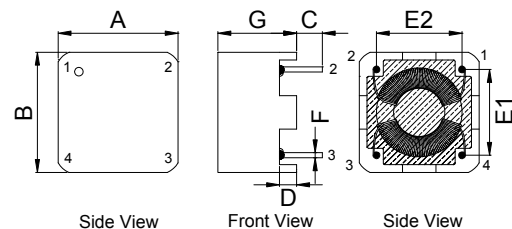
- 14.2x14.2mm Max.(LxW),9.6mm Max. Height.
- Inductance range: 1.1mH~22.0mH,Custom values are welcomed.
- AC common mode noise filter for Power Supplies and Lighting Application.
- Rated Voltage: 250VAC.
- Dielectric strength:1500Vrms,winding to winding.
- UL 94 V-0 Material
- Operating temperature: -40 to +105°C.
- RoHS & HF compliance Components.



2. Electrical Characteristics of C301241 Series:

ITG Part Number	L (mH) +50%/-30%	I _{rate} (A) Max.	L _{stray} (uH) Typ.	DCR (Ω) Max.
C301241-112HF	1.1	2.0	6.0	0.065
C301241-162HF	1.6	1.5	10.0	0.110
C301241-302HF	3.0	1.0	20.0	0.220
C301241-442HF	4.4	0.6	30.0	0.400
C301241-123HF	12.0	0.3	80.0	1.100
C301241-223HF	22.0	0.3	130.0	1.500

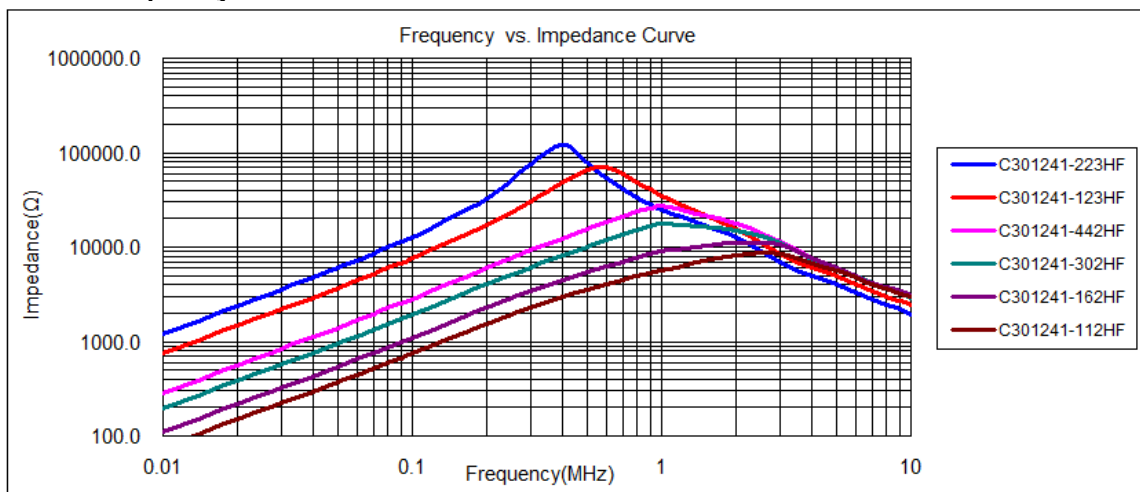
Mechanical Drawing (unit:mm)



3. Mechanical Dimensions (Unit in mm):

A	B	C	D	E1	E2	F	G
Max.	Max.	+0.2/-0.5	±0.2	±0.4	±0.4	Typ.	Max.
14.20	14.20	3.00	2.00	10.00	10.00	Φ0.60	9.60

4. Impedance vs Frequency Curve of C301241 Series:



Test Condition:

- 1.Open Circuit Inductance (OCL) measured at 10KHz,0.1mA at 25°C;
- 2.Stray inductance(L_{stray})measured at 10KHz,5mA;
- 3.I_{rate} is defined as the applied current level that cause 40 °C temperature rise without force air flow;
- 4.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.