

Dual Mode Choke Coils

SU16N Series



Features

- Hybrid common mode and normal mode choke function
- External dimensions and terminal pitch compatible with SU16V/H series.

Common specifications

Item	Specifications
Rated current (VAC/VDC)	250
Heat resistance classification	Type-E 120°C
Temperature rise (K) max.	40
Withstanding voltage (VAC)	2000 (between lines)
Insulation resistance (MΩ) min.	100 (500 VDC applied)
Operating temperature range (°C)	- 25°C to T°C (T=120 – temp. rise)

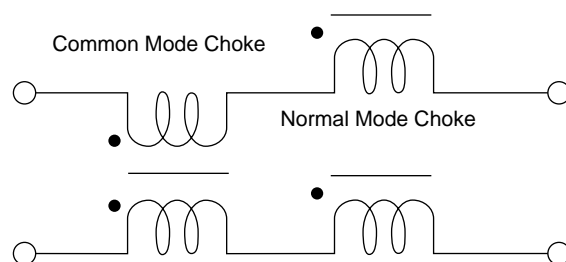
Specifications

Model	Rated Current (A)	Commonmode inductance (mH) min.	Normalmode inductance (μH) min.	DC Resistance (Ω/line) max.	Weight (g) approx.
SU16NV/NH-05140	0.5	14.0	590	1.4	16.3
SU16NV/NH-07090	0.7	9.0	380	0.9	16.3
SU16NV/NH-10050	1.0	5.0	200	0.5	16.5
SU16NV/NH-12035	1.2	3.5	130	0.35	16.9
SU16NV/NH-15022	1.5	2.2	90	0.20	17.0

Others

- Magnetic saturation with normal mode current is considered 1.5 times greater than the rated current
- Leakage flux value is greater than that of a normal mode line filter according to the increase of normal mode inductance. Please confirm the value before use.

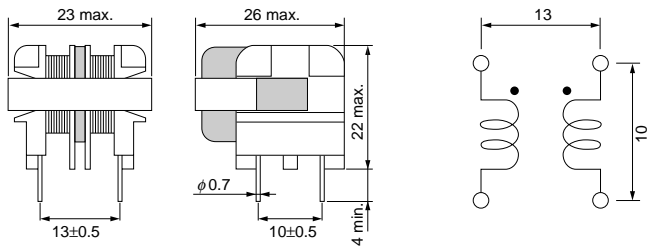
Equivalent Circuit



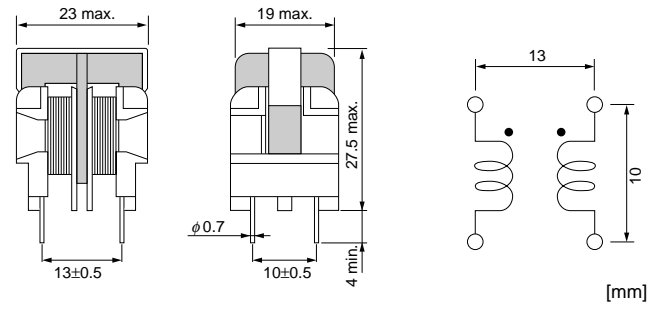
EMC Line Filters

Shapes and Dimensions

● SU16NH



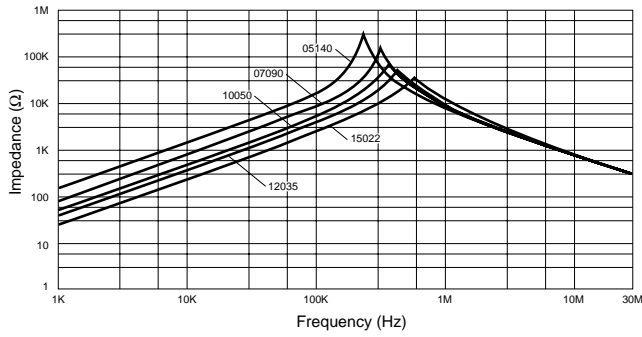
● SU16NV



[mm]

Impedance vs. Frequency

● Common mode impedance



● Normal mode impedance

