Common Mode Chokes for AC Power Lines
Sectional Winding Type / UU10FV-M series

RoHS COMPLIANT

Features :

- For higher frequency noise are available, Due to sectional winding construction.
- Low profile in vertical core layout.
- High isolation between windings.
- Inductance up to 36mH, Rated current up to 2.0 Amps.
- RoHS compliant.

Technical specifications :

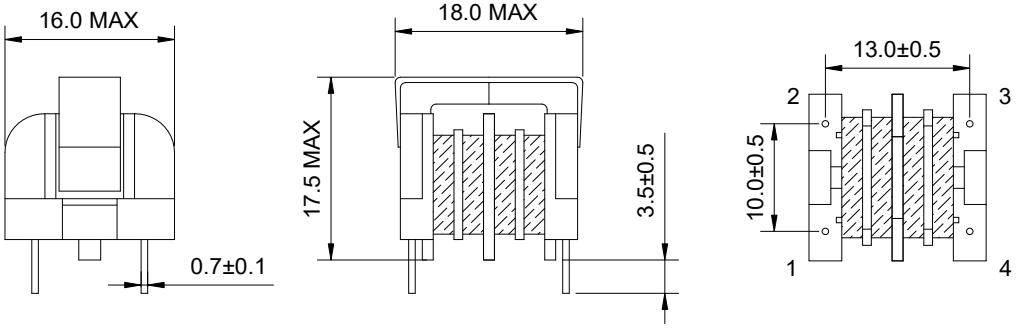
Rated voltage	300 VAC @ 50/60Hz
Dielectric withstanding voltage	2,000 VAC, 1 min. Between lines
Insulation resistance	≥ 100 MΩ@ 500 VDC, Between lines
Temperature rise	60℃ Max. with rated current
Operating temperature range	- 25℃ to + 120℃, including Temp. rise
Storage temperature range	- 20℃ to + 60℃
Flammability corresponding to	UL 94V-0
Resistance to soldering temperature	260±5℃, 10±1sec, solder bath Method

Applications :

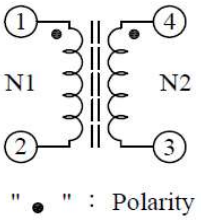
- Mains filter
- Suppression of common mode noise
- Compact switched mode power supplies
- Electronic ballast applications (LED Bulb) & Lighting
- White goods

Dimensions & Shape : [mm]

Vertical type: UU10FV



Schematics :



Product Identification :

UU	10	FV	-M030N	-363	S
Series	**Core size**	**Core orientation**	**Internal code**	**Inductance value**	**Inductance tol.**
Series name, core shape UU Type	Core size =10.5 [mm]	FV=4 Section bobbin and core Vertical	Internal control code & rated current code	Inductance value in uH e.g.: 363=36 mH 182=1.8 mH 901=0.9 mH	Inductance tolerance N: ±30%; P: ±25% M: ±20%; L: ±15% K: ±10%; J: ±5% S: minimum value

Standard Specification:

Part Number	Inductance [mH / Line] Min.	Stray Inductance [μH] Typ.	DCR [Ω/ Line] Max.	Rated Current [A]	Marking
UU10FV-M030N- 363S	36.0	320	3.70	0.3	M363SF
UU10FV-M040N - 223S	22.0	205	2.32	0.4	M223SF
UU10FV-M050N - 133S	13.0	115	1.36	0.5	M133SF
UU10FV-M070N - 772S	7.7	70	0.81	0.7	M772SF
UU10FV-M100N - 362S	3.6	30	0.36	1	M362SF
UU10FV-M130N - 202S	2.0	20	0.21	1.3	M202SF
UU10FV-M150N -182S	1.8	16	0.18	1.5	M182SF
UU10FV-M170N - 132S	1.3	12	0.13	1.7	M132SF
UU10FV-M200N - 901S	0.9	8.4	0.11	2.0	M901SF

*** Custom design are available upon requested.**

1. Inductance shown for each winding, measured at: 1kHz, 0.25Vrms,0Adc, on an Agilent/HP4284A LCR meter or equivalent.
2. Rated current that causes a 60℃ max. temperature rise from 25℃ ambient. This information is for reference only, the actual temperature rise depends on the condition of your circuit and the heat dissipation conditions.
3. DC Resistance is for each winding.
4. All of electrical specifications measured at 25℃.
5. Standard packing : Tray

Typical Impedance vs. Frequency Curve :