

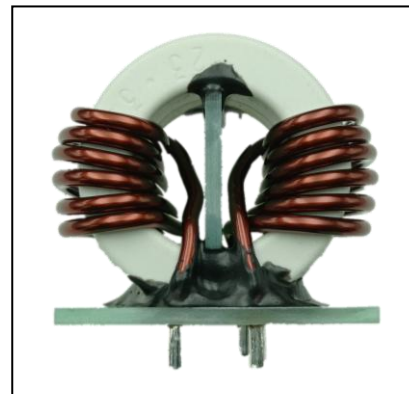


AC COMMON MODE CHOKE FOR MAINS POWER LINES

MODEL NO : TAC-460420 SERIES

Features:

- * Through- hole version .
- * Compliant with RoHS and REACH .
- * High permeability nanocrystalline core material .
- * Improved isolation through plastic case and winding spacer .
- * Rated voltage : 300 VAC max .
- * High rated currents .
- * Broadband suppression.
- * Frequency range : 1KHz~300MHz.



Application:

- * Radio interference suppression in motors .
- * Power electronics .
- * Power line input and output filter .
- * Suppression for common mode noise .

Electrical specification :

MODEL NO	INDUCTANCE +50%/-30% (mH)	RATED CURRENT (A) MAX	DCR MAX (mOHM)	PHYSICAL DIMENSION	SCHEMATIC
TAC-460420-152	1.5	38.0	2.3	A	G
TAC-460420-302	3.0	26.0	4.5	B	H
TAC-460420-502	5.0	21.0	6.5	C	H
TAC-460420-702	7.0	15.0	9.5	C	H
TAC-460420-902	9.0	13.0	15	D	H
TAC-460420-143	14.0	8.0	27	E	H
TAC-460420-203	20.0	6.0	45	F	H
TAC-460420-353	35.0	5.0	90	F	H

NOTE(1): Measuring condition : 10 KHZ,0.1Vrms.

NOTE(2): ΔT : 55°C max under rated current.

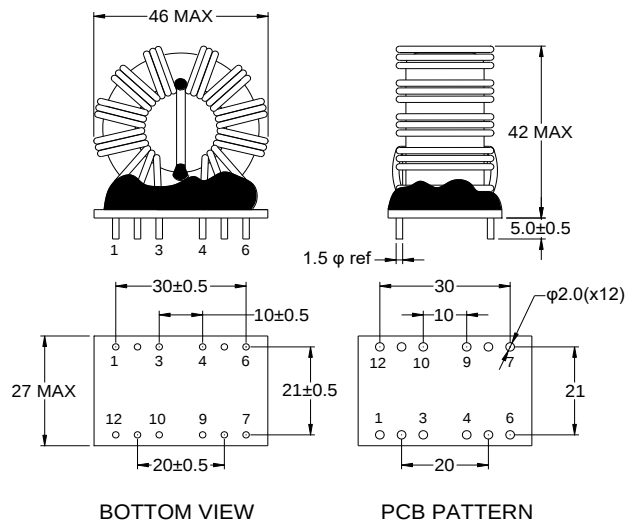
NOTE(3): Hi-pot testing : 2100 VAC for 2 seconds between winding and winding.

NOTE(4): Operating temperature(including self- temperature rise): -40°C ~ +125°C.

NOTE(5): Storage temperature: <40°C,<75% RH.

NOTE(6): Storage time :The recommended storage time is maximum 12 months, and don't suggest to use the parts over 12 months.

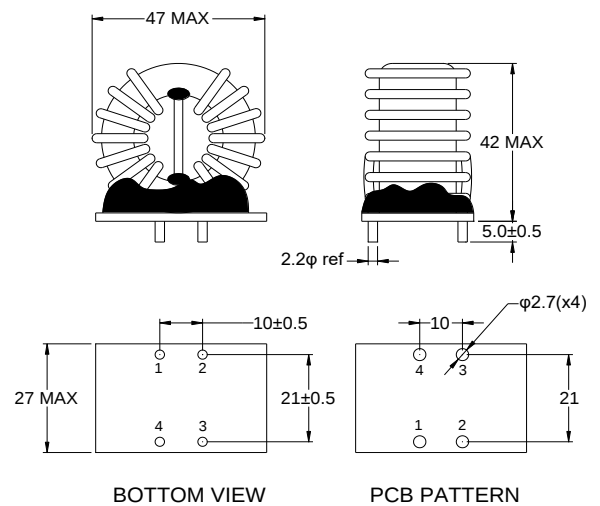
Physical Dimension : (unit :mm)



BOTTOM VIEW

PCB PATTERN

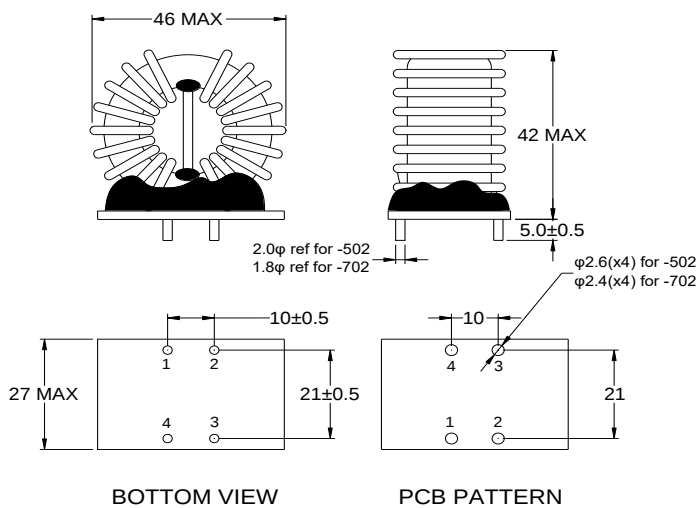
Drawing " A "



BOTTOM VIEW

PCB PATTERN

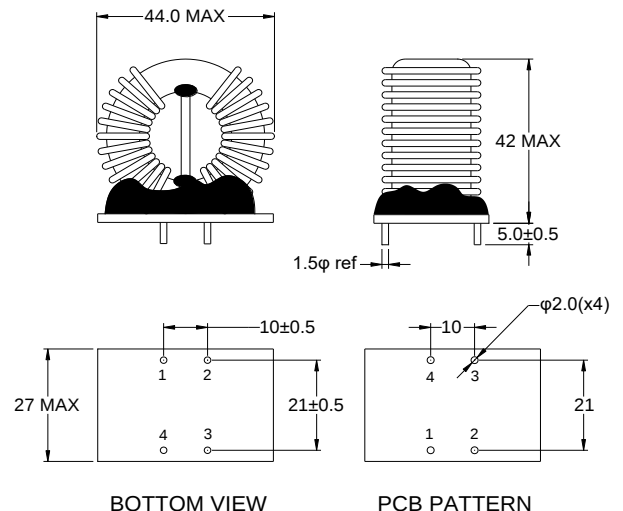
Drawing " B "



BOTTOM VIEW

PCB PATTERN

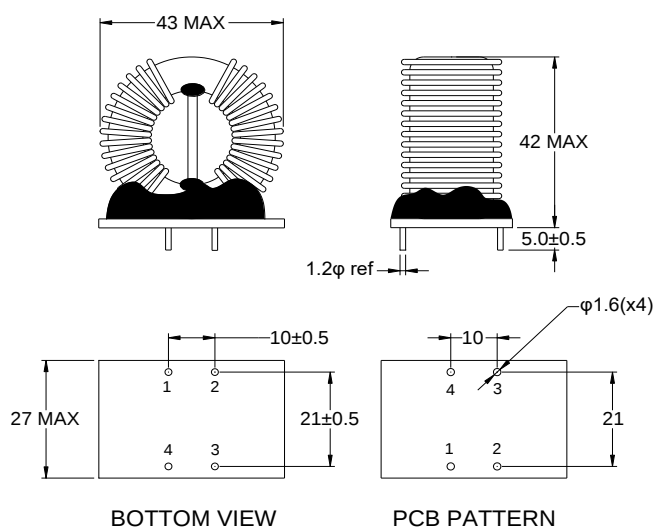
Drawing " C "



BOTTOM VIEW

PCB PATTERN

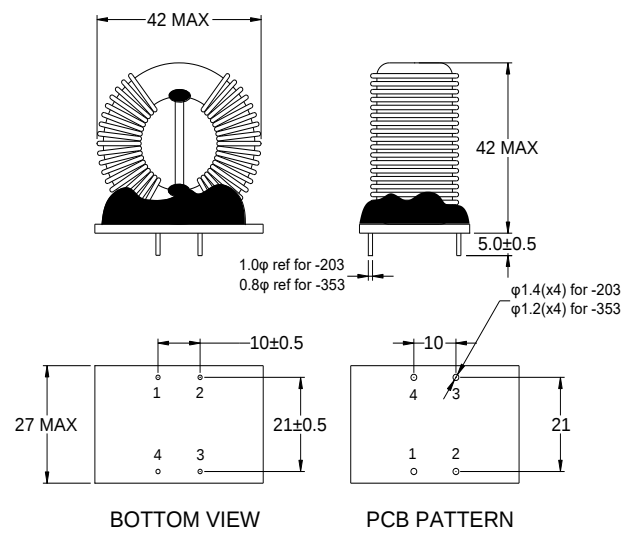
Drawing " D "



BOTTOM VIEW

PCB PATTERN

Drawing " E "

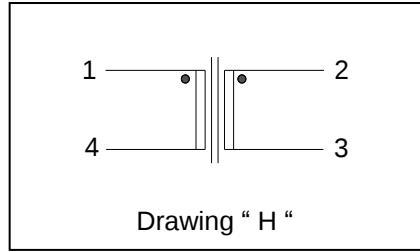
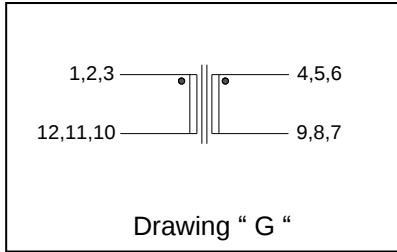


BOTTOM VIEW

PCB PATTERN

Drawing " F "

Schematic:



Impedance vs Frequency :

