

HV THREE-PHASE COMMON MODE CHOKE FOR MAINS POWER LINES



MODEL NO : TAC-700390 SERIES

Features:

- * Through- hole version.
- * Compliant with RoHS and REACH.
- * High permeability nanocrystalline or MnZn ferrite core material.
- * Improved isolation through plastic case and winding spacer.
- * Rated voltage : 760 VAC max.
- * High rated currents.
- * Suppression frequency: 1KHZ to 20 MHZ depending from used core material.



Application:

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

Electrical specification :

MODEL NO	INDUCTANCE ±50% (mH)	RATED CURRENT (A) MAX	DCR MAX (mOHM)	PHYSICAL DIMENSION
TAC-700390NC-201	0.20	46.0	1.6	A
TAC-700390NC-601	0.60	40.0	3.2	B
TAC-700390NC-102	1.0	29.0	5.0	C
TAC-700390NC-182	1.8	22.0	9.0	D
TAC-700390NC-302	3.0	46.0	2.0	E
TAC-700390NC-402	4.0	40.0	3.2	F
TAC-700390NC-103	10.5	40.0	3.8	G
TAC-700390NC-183	18.0	16.0	14.0	H
TAC-700390NC-293	29.0	22.0	9.5	I
TAC-700390NC-473	47.0	16.0	16.0	J
TAC-700390NC-483	48.0	9.5	47.0	K
TAC-700390MZ-212	2.1±35%	22.0	9.0	L
TAC-700390MZ-342	3.4±35%	16.0	14.0	M
TAC-700390MZ-502	5.0±35%	13.5	23.0	N
TAC-700390MZ-902	9.0±35%	9.5	47.0	O
TAC-700390MZ-153	15.0±35%	7.2	85.0	P

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

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

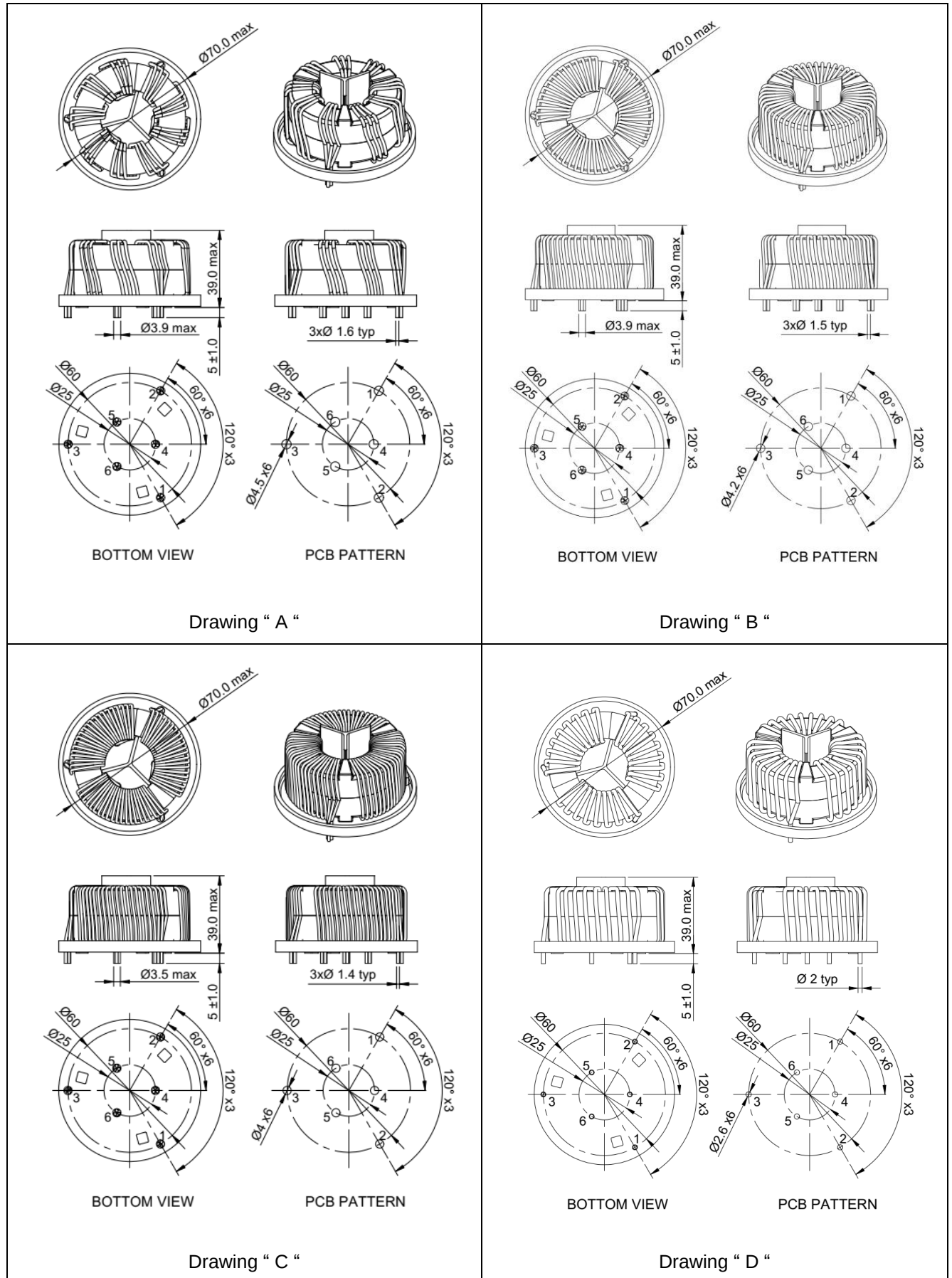
NOTE(3): Hi-pot testing : 3000 VAC for 2 seconds between winding and winding.

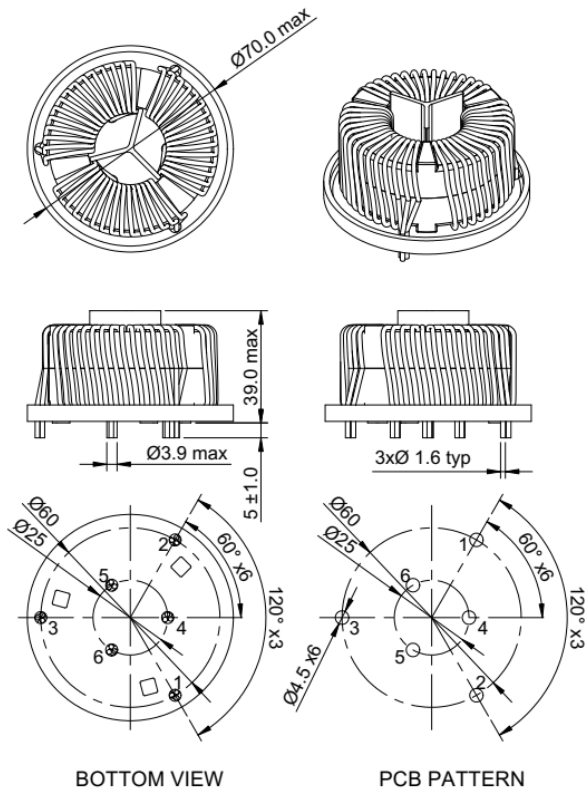
NOTE(4): Operating temperature(including self- temperature rise): -40°C ~ +125°C.

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

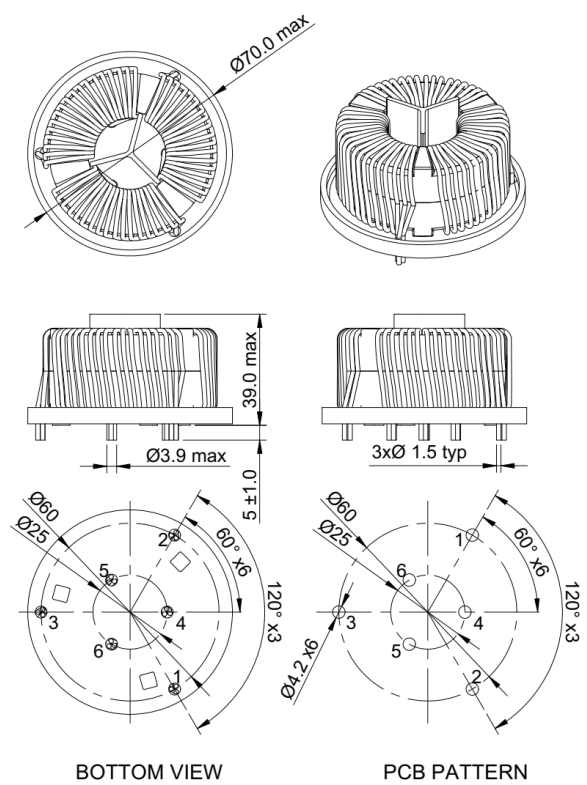
NOTE(6): Storage time :The recommended storage time is maximum 12 months, and don't suggest to use the parts over 12 months.

Physical Dimension : (unit :mm)

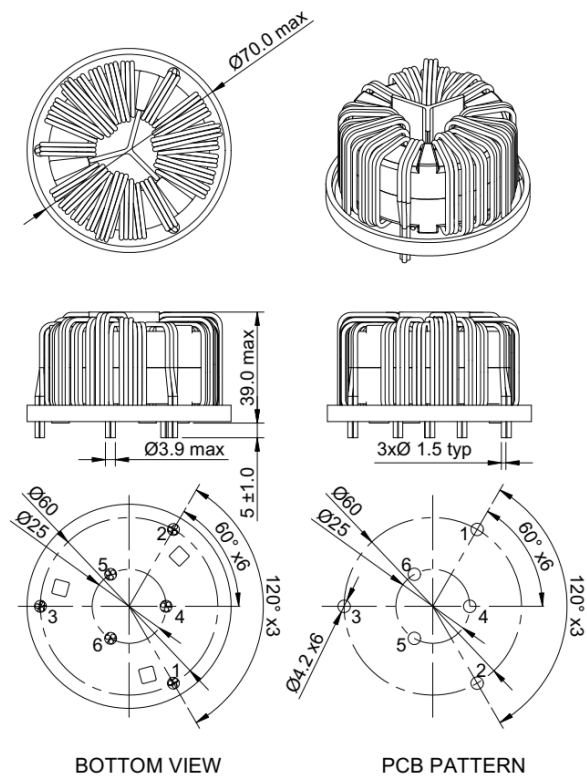




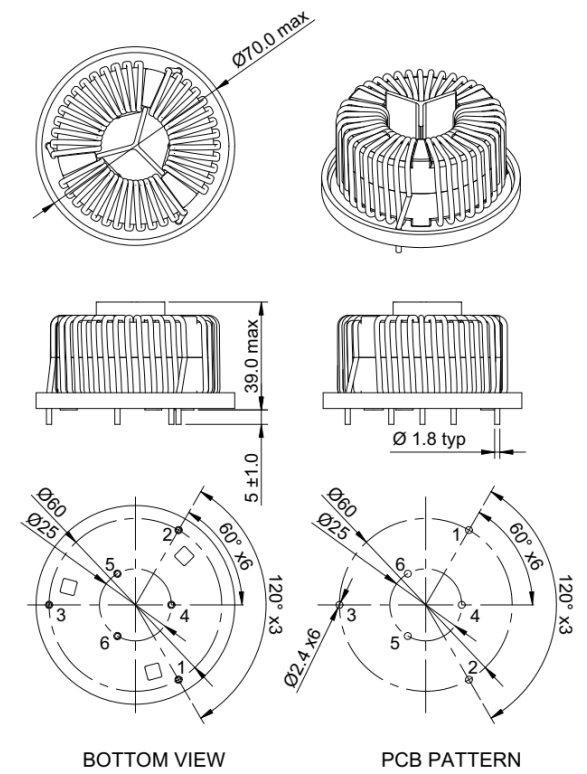
Drawing " E "



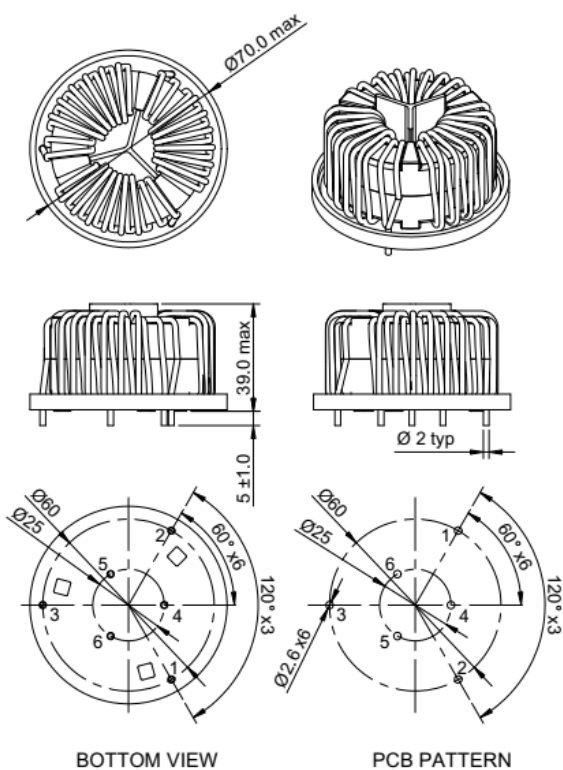
Drawing " F "



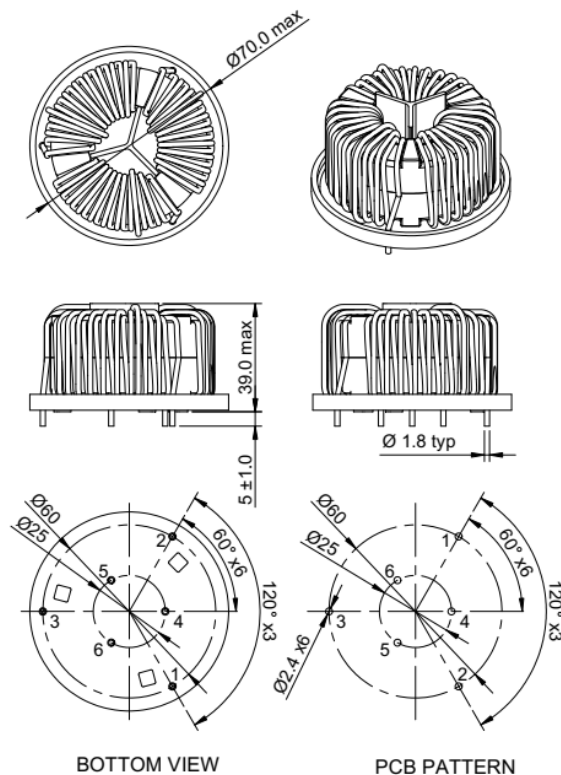
Drawing " G "



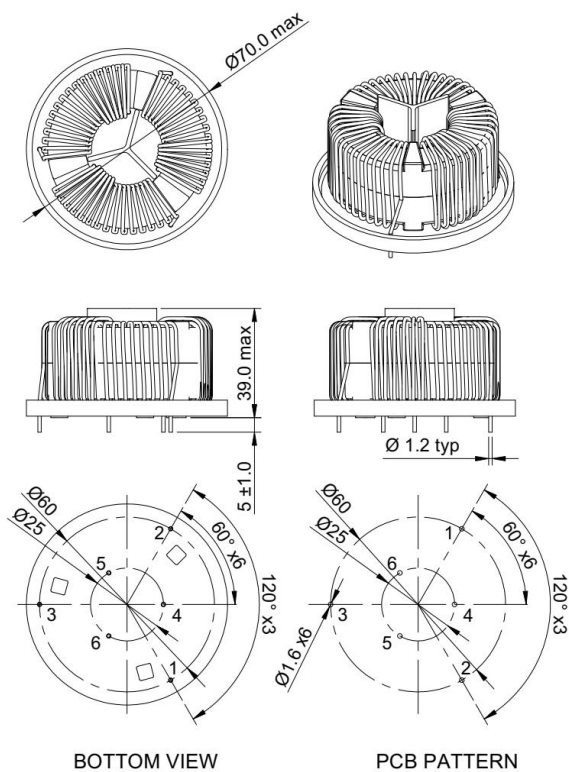
Drawing " H "



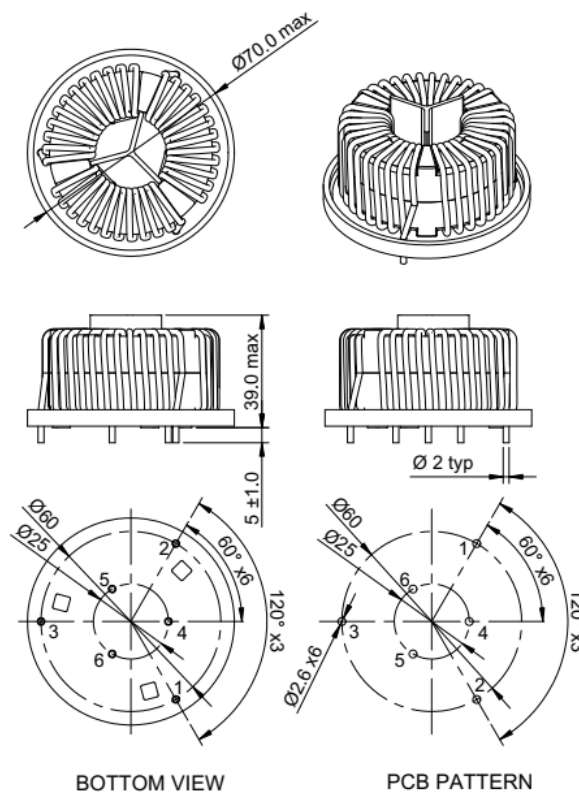
Drawing " I "



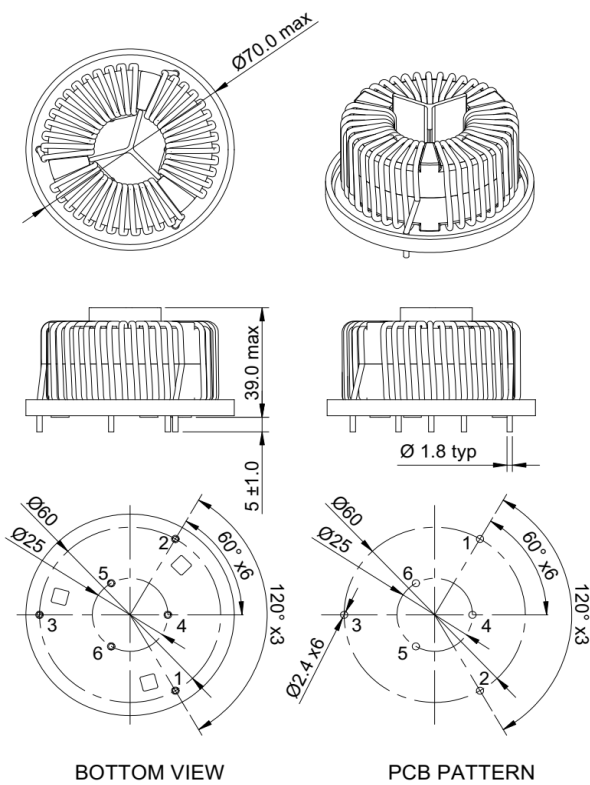
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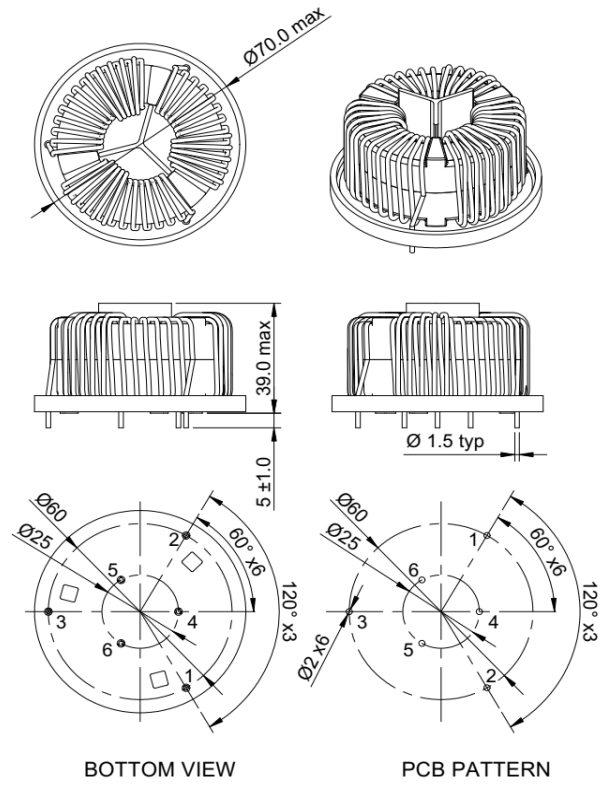
Drawing " K "



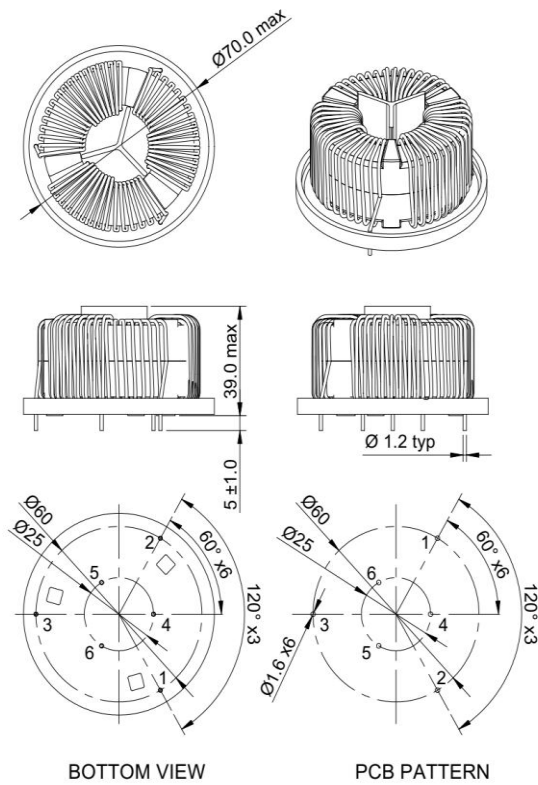
Drawing " L "



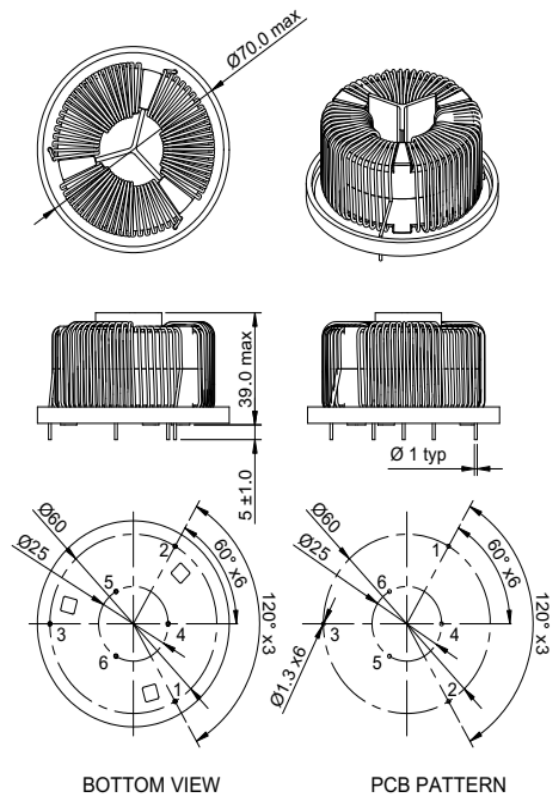
Drawing " M "



Drawing " N "

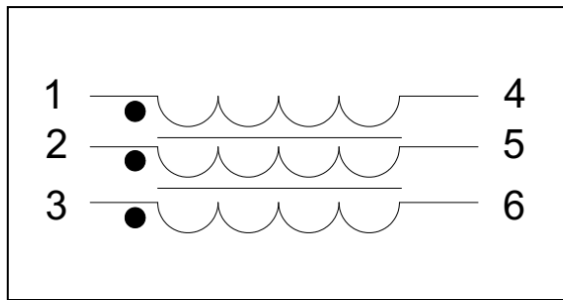


Drawing " O "

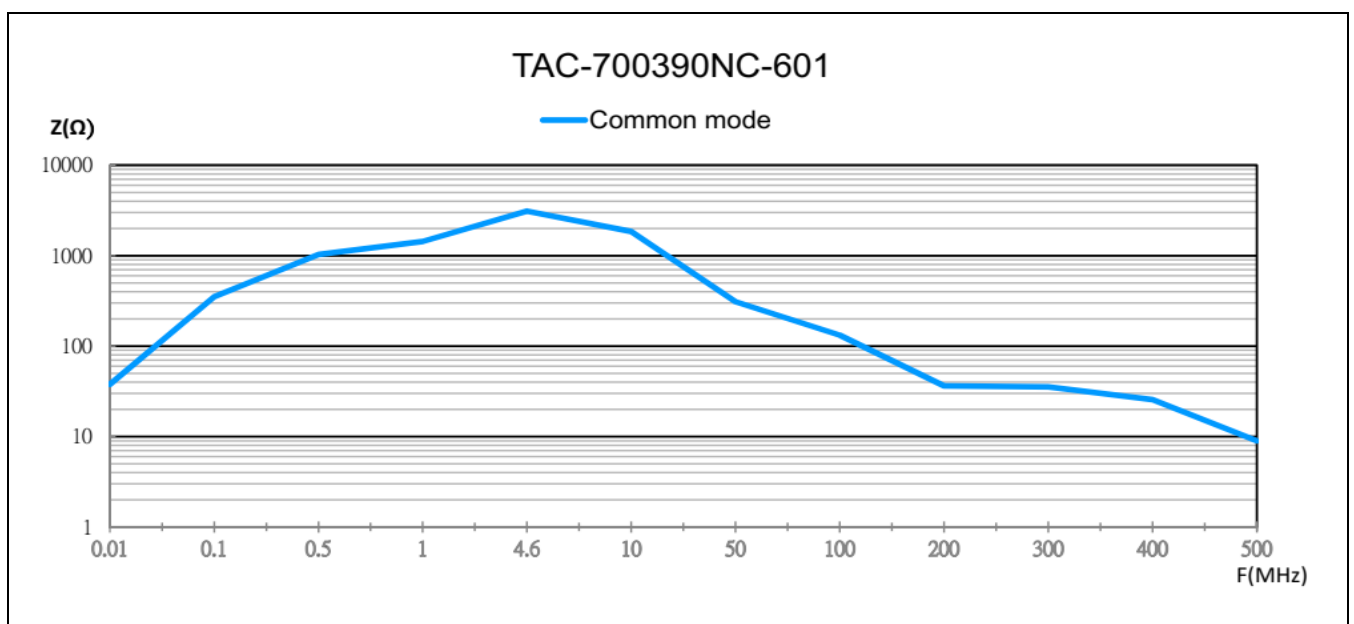
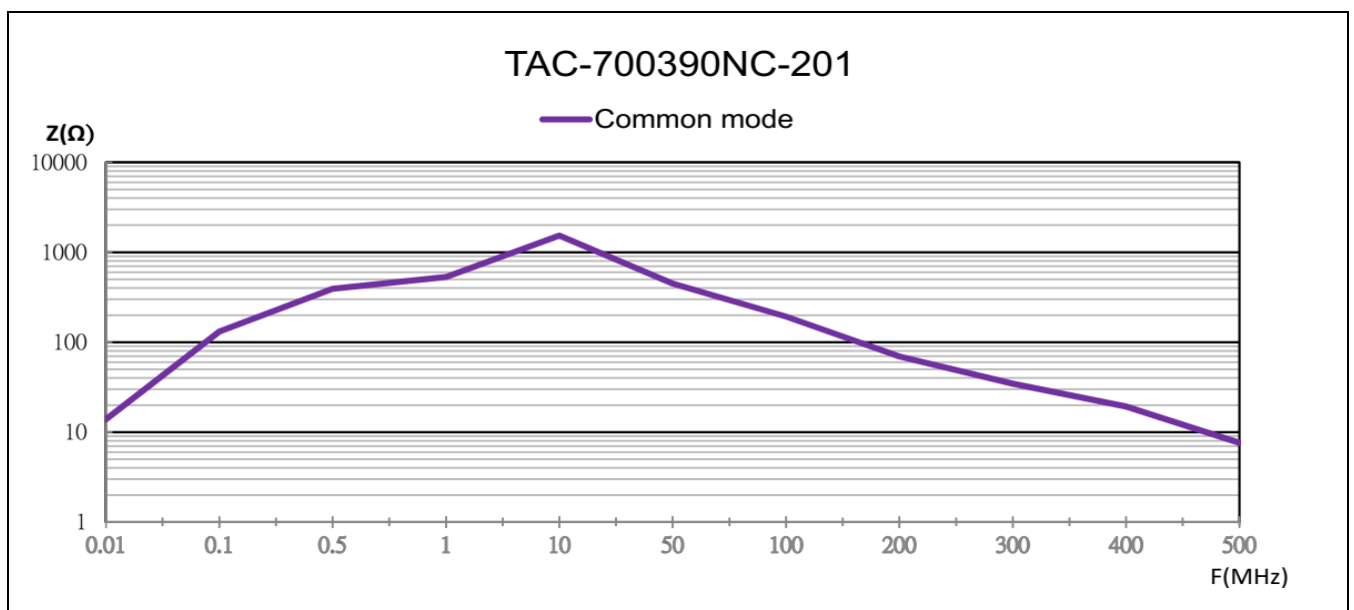


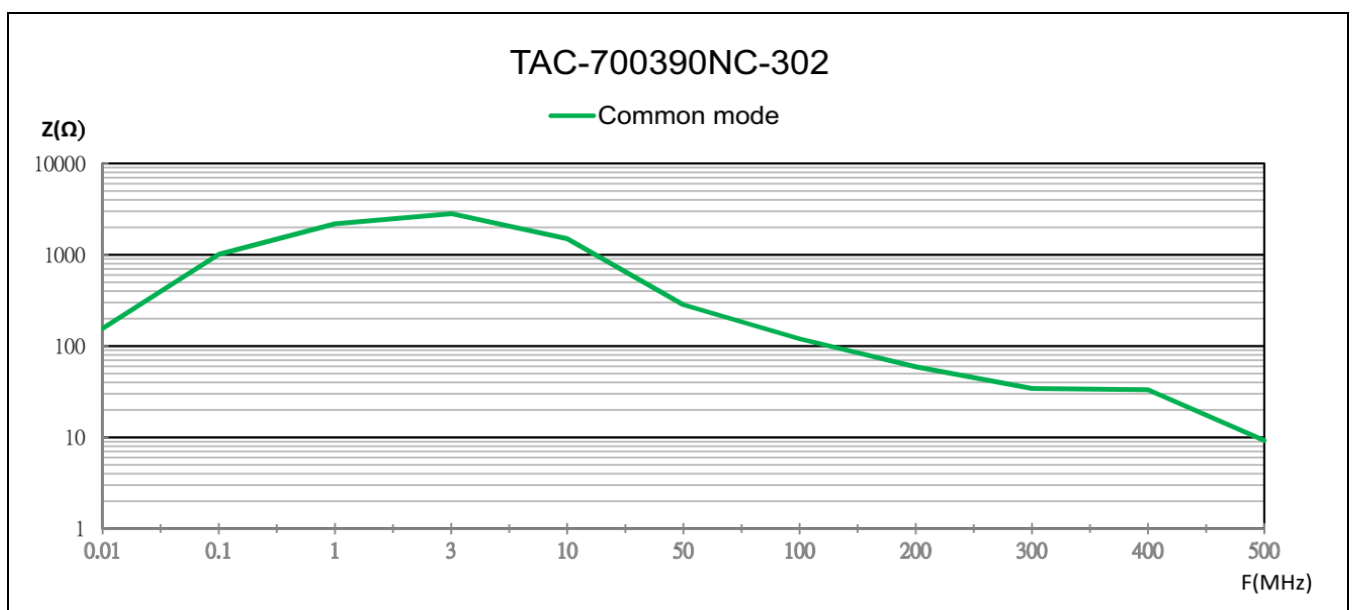
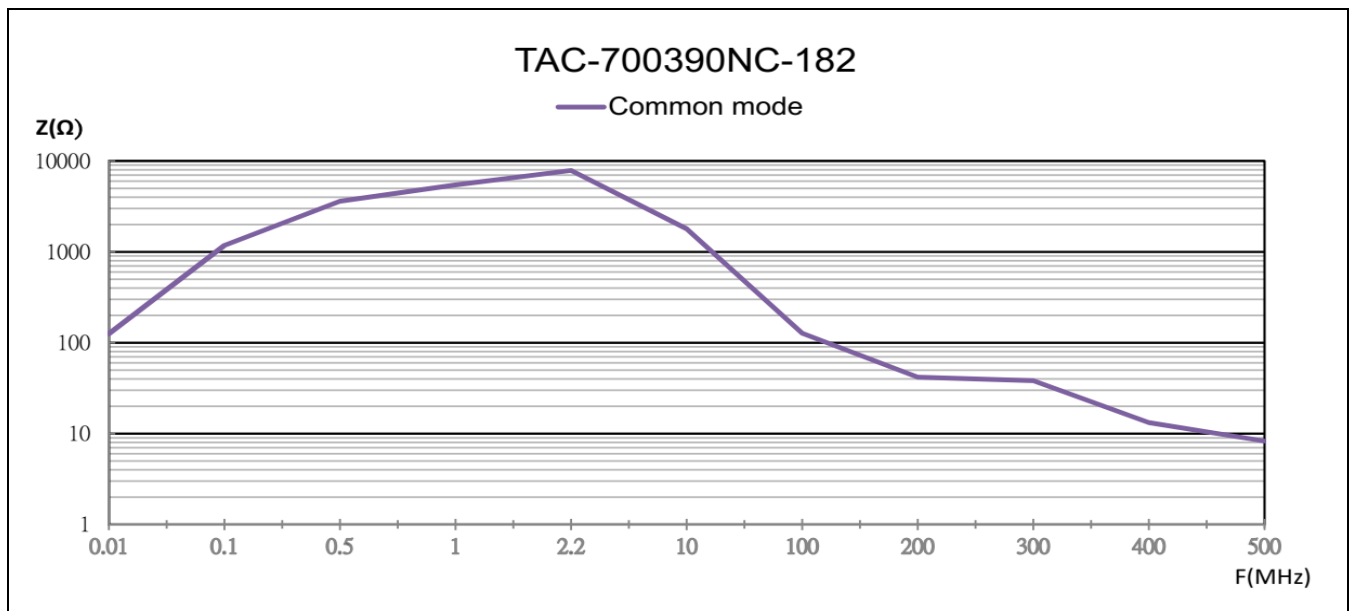
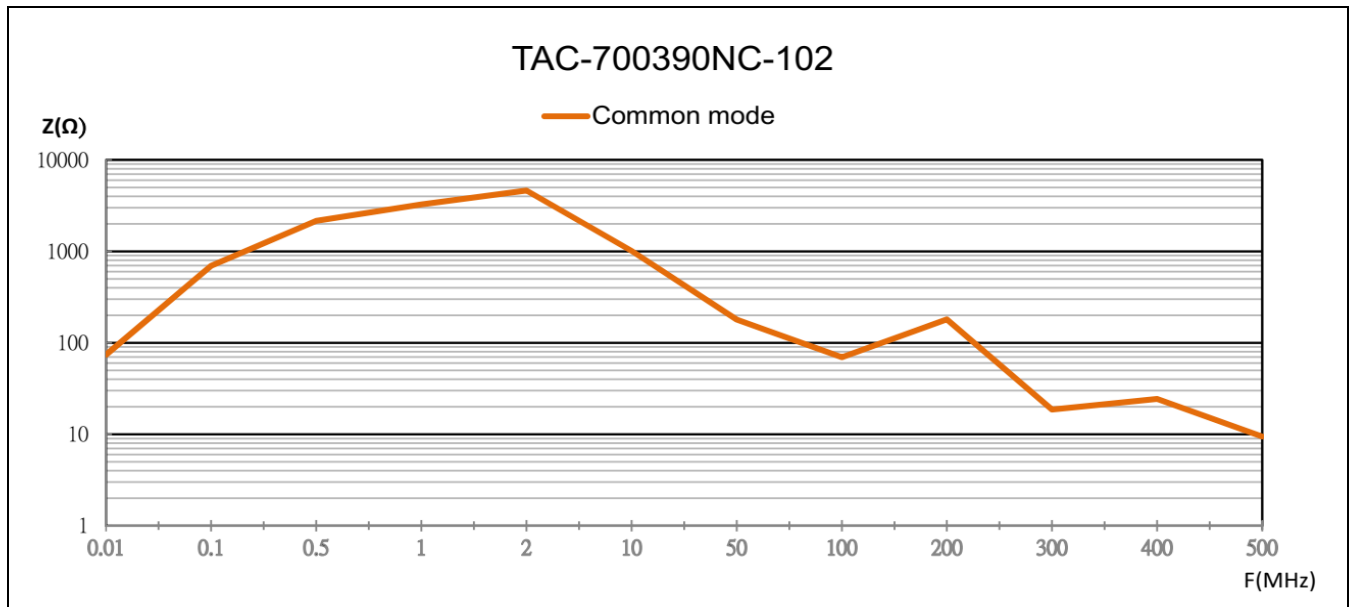
Drawing " P "

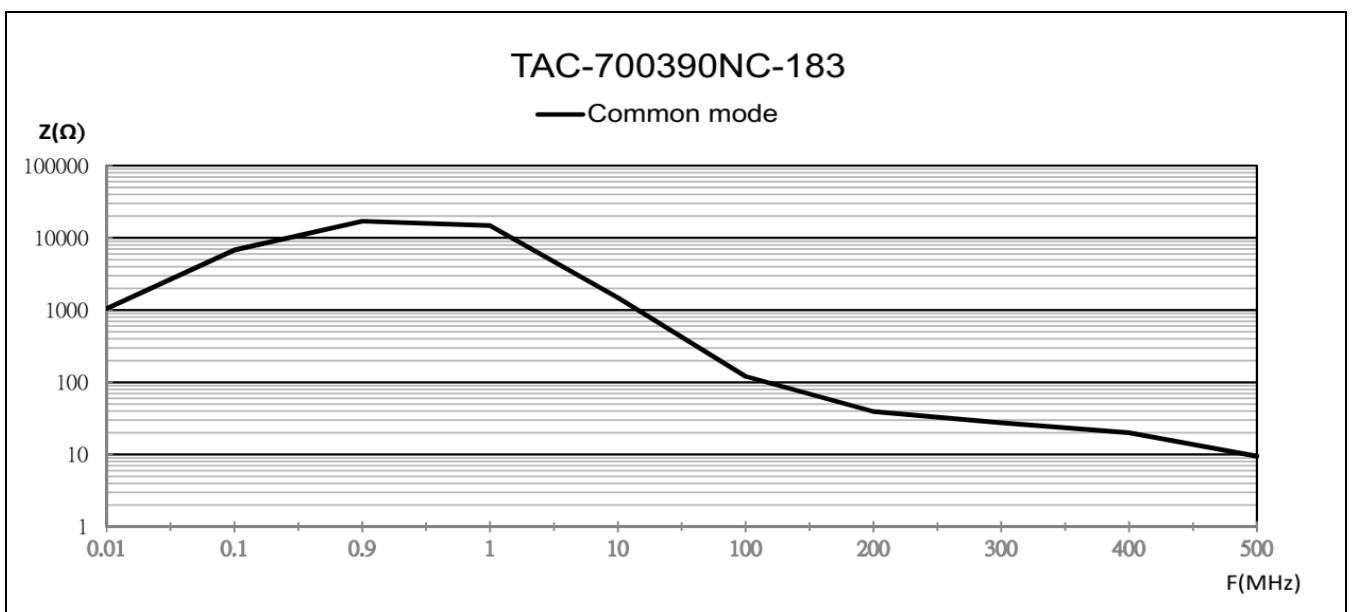
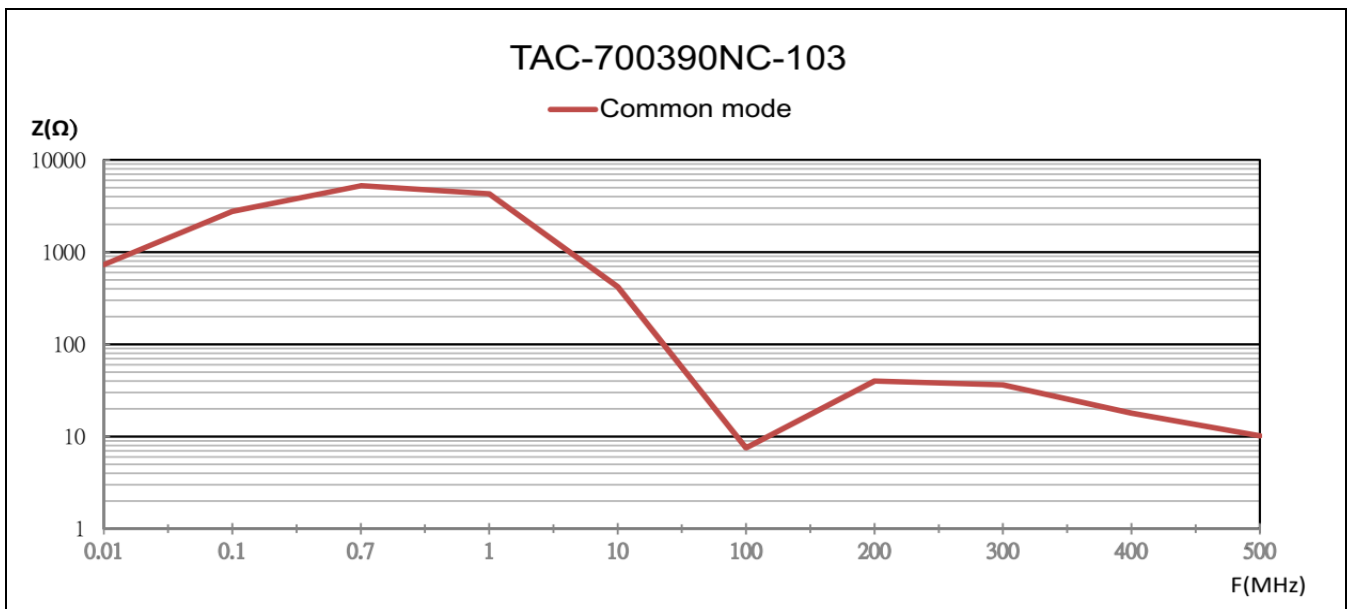
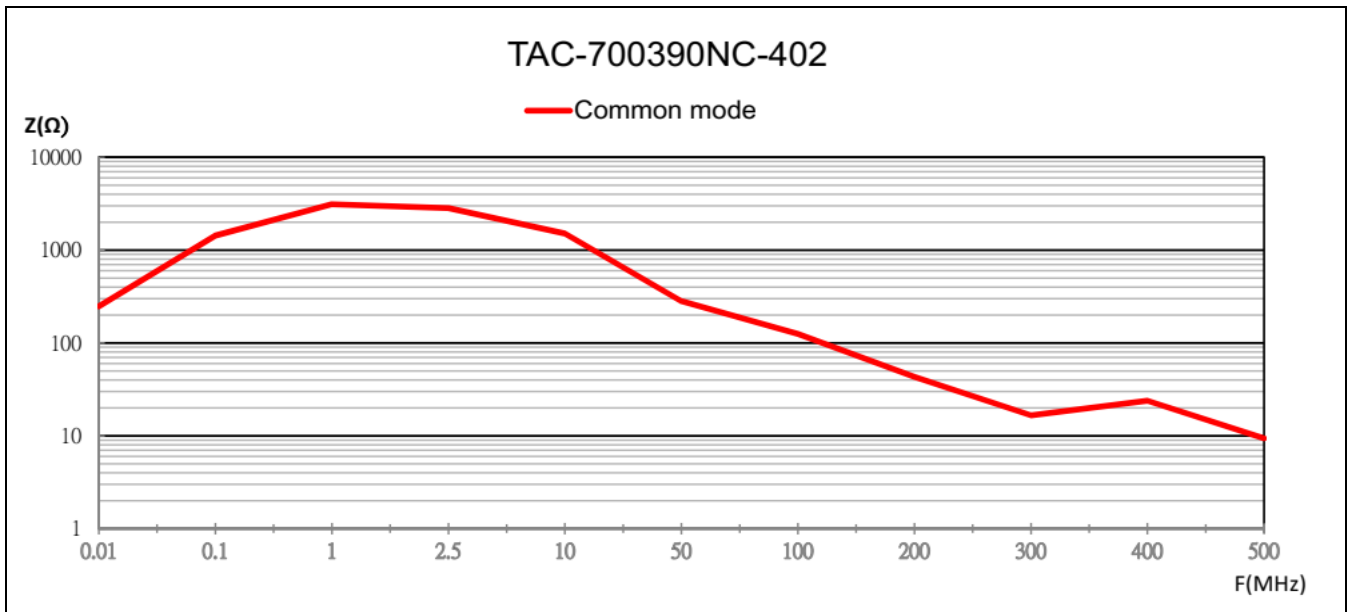
Schematic:

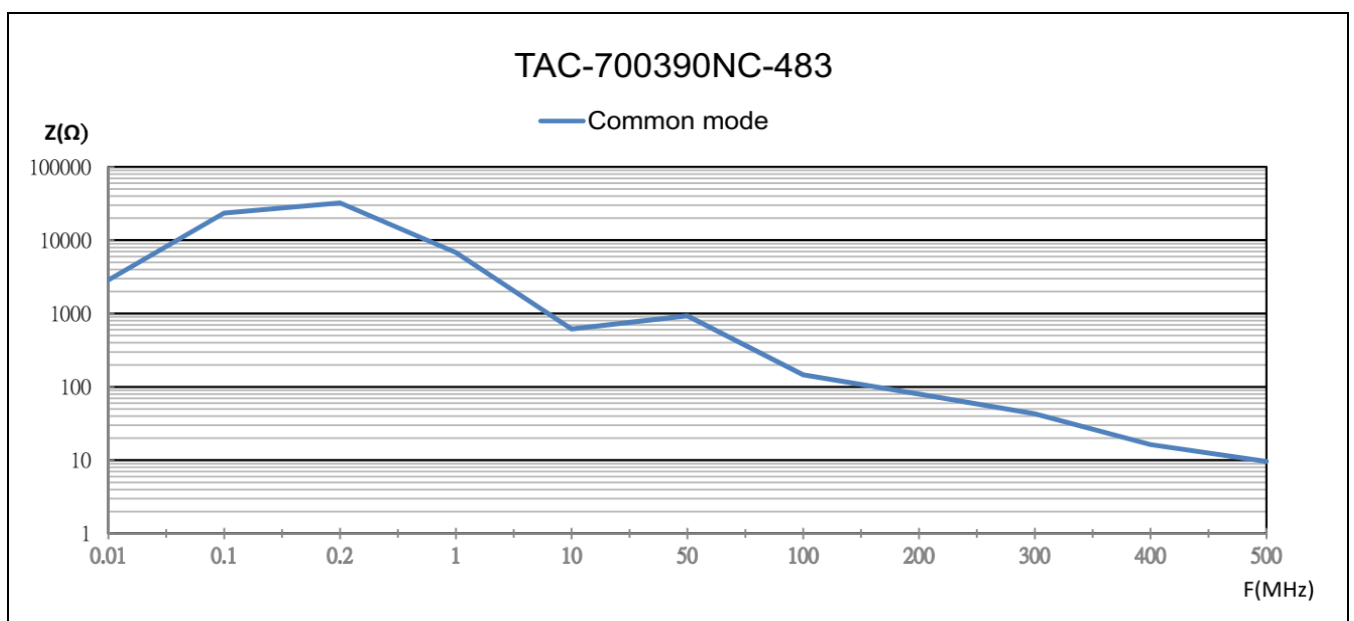
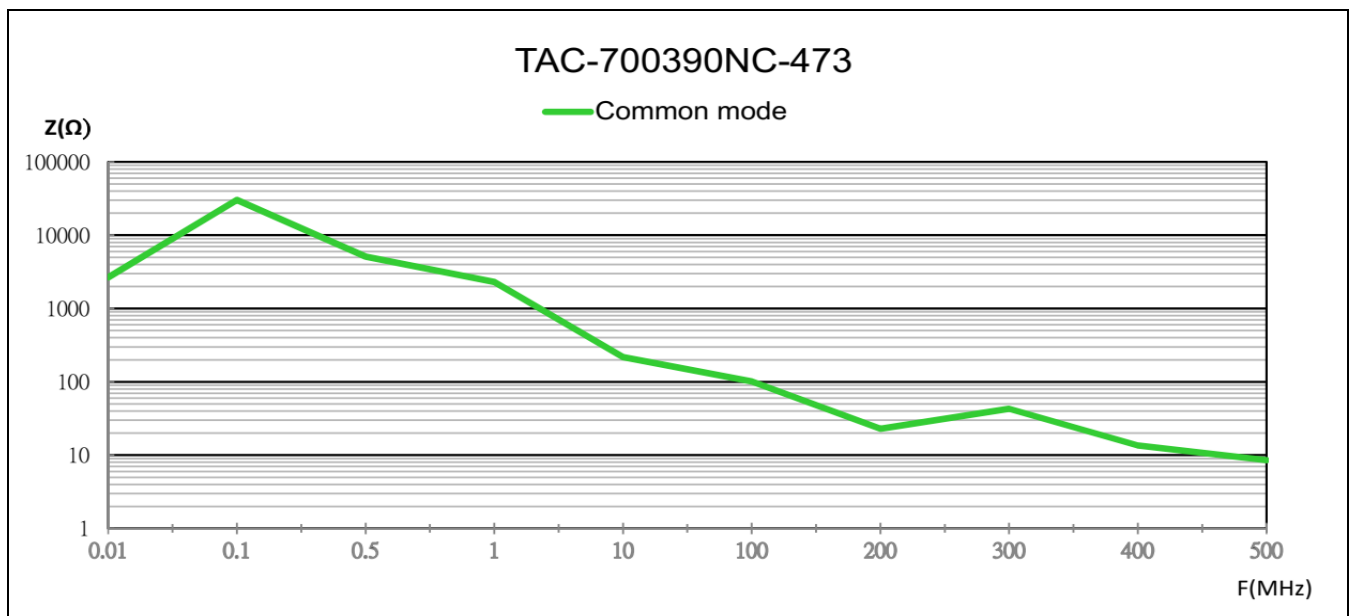
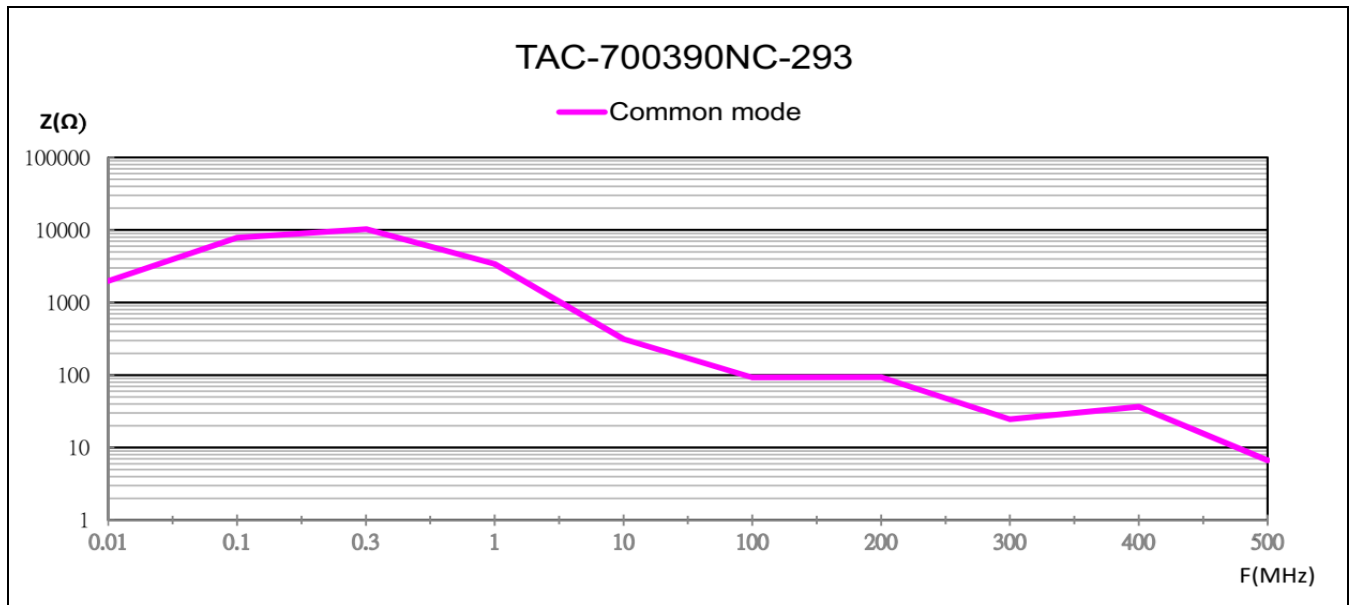


Impedance vs Frequency :

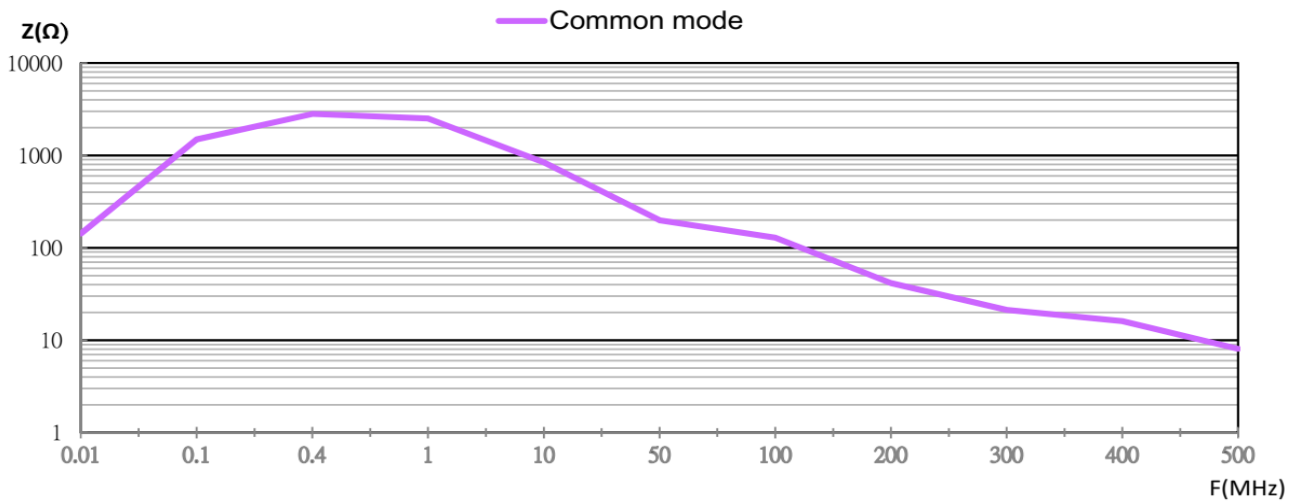




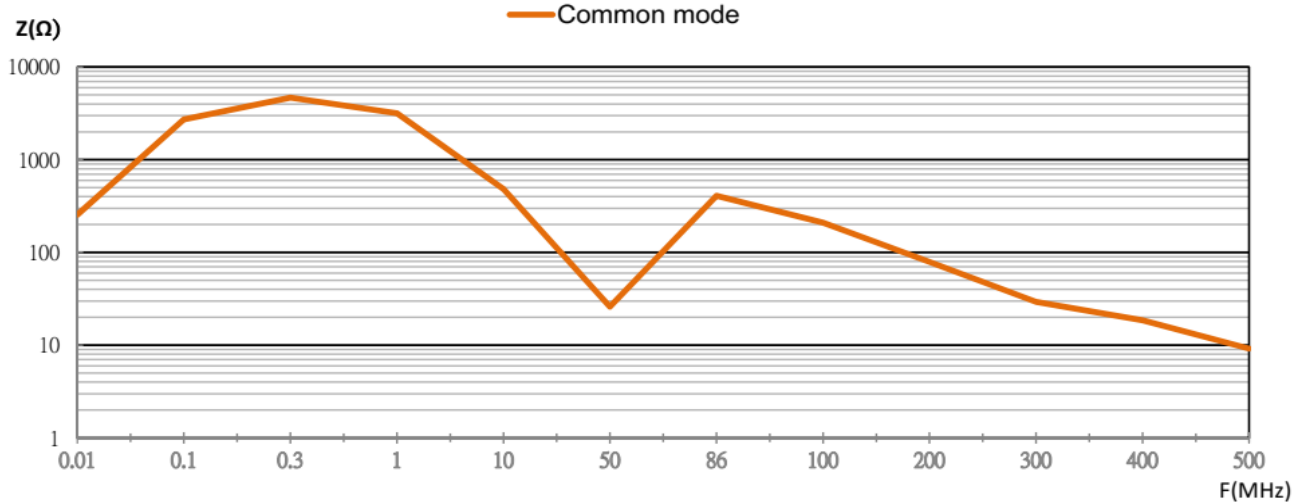




TAC-700390MZ-212



TAC-700390MZ-342



TAC-700390MZ-502

