

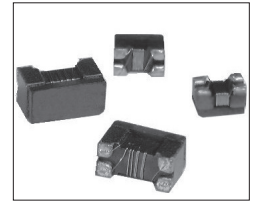
FEATURES

- HIGH COMMON MODE IMPEDANCE AT HIGH FREQUENCY
- **HIGH CURRENT AND AEC-Q200 QUALIFIED**
- SHIELDED PROVIDING EXCELLENT NOISE SUPPRESSION
- SUITABLE FOR HIGH SPEED DIGITAL EQUIPMENT (USB/IEEE)
- Pb-FREE CONSTRUCTION
- BOTH FLOW AND REFLOW SOLDERING APPLICABLE

**RoHS
Compliant**

includes all homogeneous materials

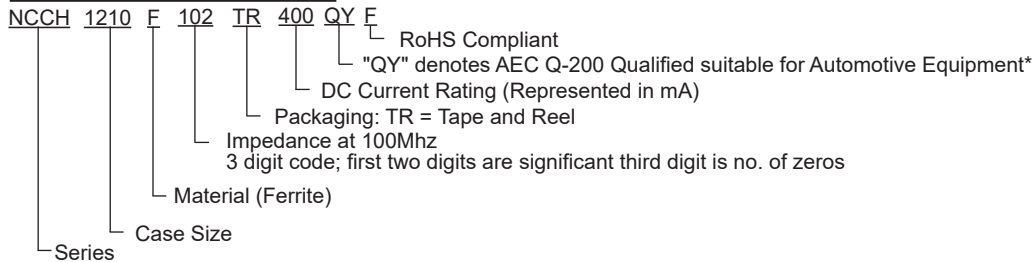
*See Part Number System for Details



CHARACTERISTICS

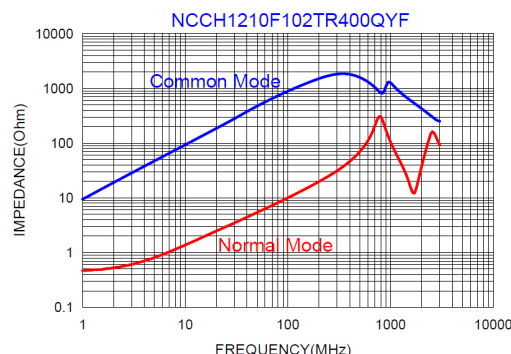
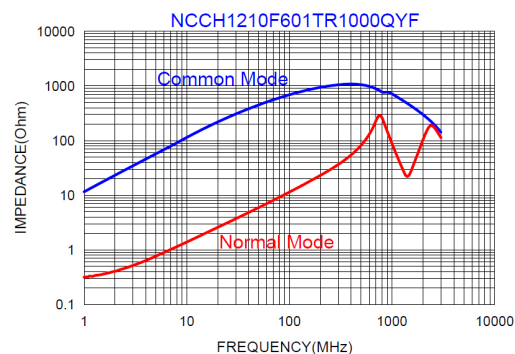
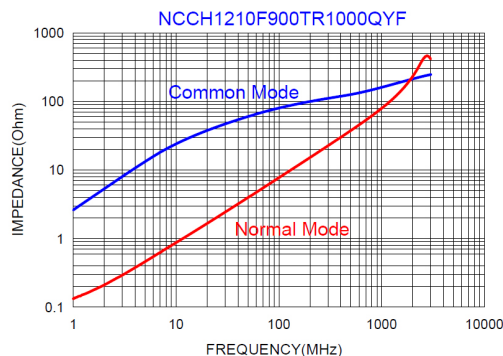
Case Size	1210	1812
Impedance Range	90 ~ 1,000 Ohms	90 ~ 2,800 Ohms
Temperature Range	-55°C ~ +125°C	
Withstanding voltage	125VDC 30 seconds	
Insulation Resistance	10MΩ after application 50V for 30 seconds	
Resistance to Solder Heat	260°C ±5°C for 10 seconds	
Temperature Cycling	±15% of initial value after 1000 cycles (-55°C for 30 min. transition to +125°C in 1 min. then +125°C 30 min.)	

PART NUMBER SYSTEM



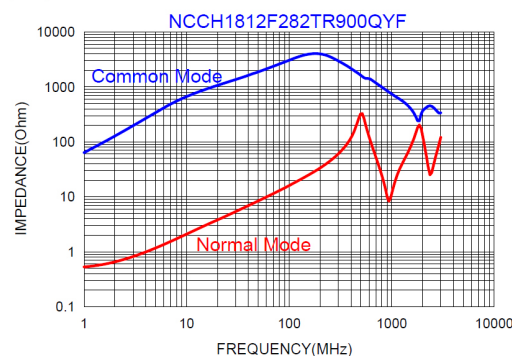
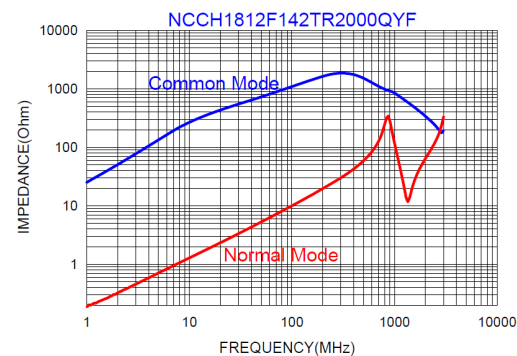
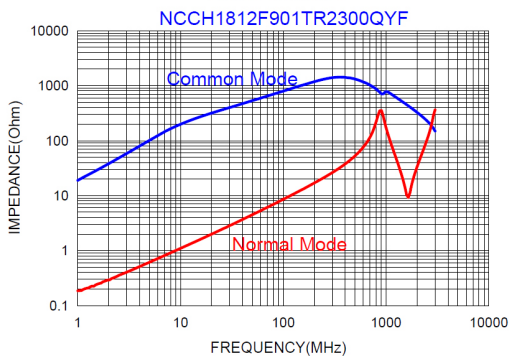
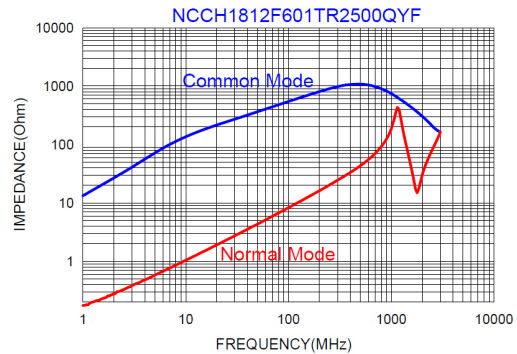
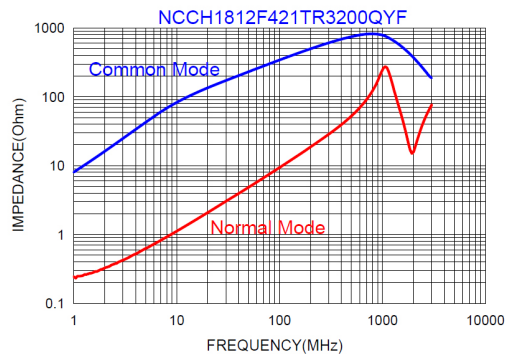
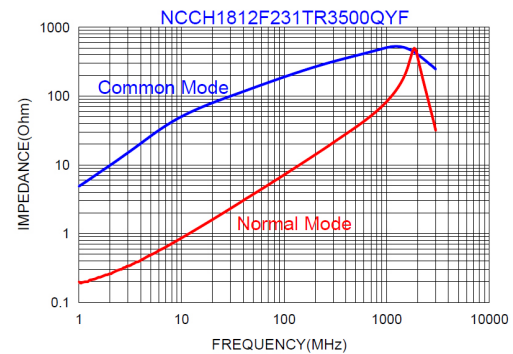
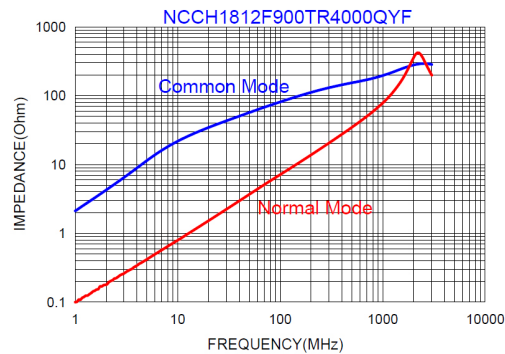
NCCH1210 SPECIFICATIONS

NIC Part Number	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω max.)	DC Current (mA max.)	Voltage Rating (Vdc)	Withstanding Voltage (Vdc)	Insulation Resistance (Ω)
NCCH1210F900TR1000QYF	90 ±25%	100	0.05	1000	50	125	10Meg
NCCH1210F601TR1000QYF	600 ±25%		0.20	1000			
NCCH1210F102TR400QYF	1000 ±25%		0.30	400			



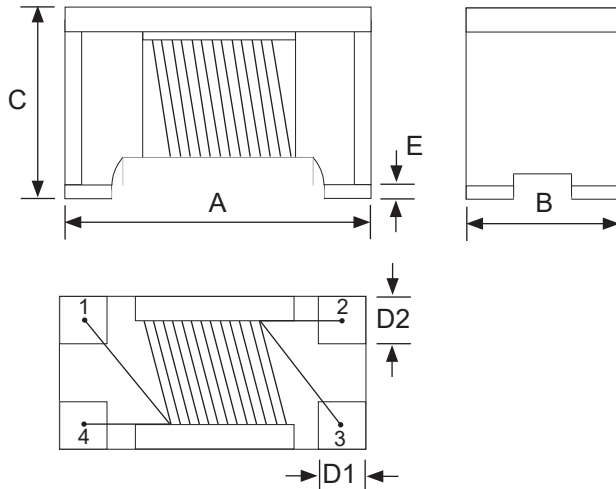
NCCH1812 SPECIFICATIONS

NIC Part Number	Impedance (Ω)		Test Frequency (MHz)	DC Resistance (Ω max.)	DC Current (mA max.)	Voltage Rating (Vdc)	Withstanding Voltage (Vdc)	Insulation Resistance (Ω)
	Typical	Minimum						
NCCH1812F900TR4000QYF	90	68	100	0.050	4000	50	125	10Meg
NCCH1812F231TR3500QYF	230	173		0.050	3500			
NCCH1812F421TR3200QYF	420	300		0.055	3200			
NCCH1812F601TR2500QYF	600	450		0.060	2500			
NCCH1812F901TR2300QYF	900	650		0.070	2300			
NCCH1812F142TR2000QYF	1400	1000		0.100	2000			
NCCH1812F282TR900QYF	2800	2100		0.350	900			

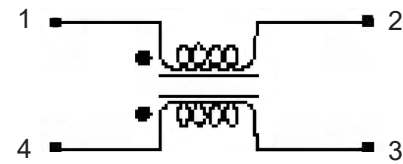


CASE DIMENSIONS (mm)

Type	A ±0.2	B ±0.2	C ±0.2	D1	D2	E
NCCH1210	3.2	2.5	2.2	0.80±0.10	0.90±0.10	0.15 ±0.10
NCCH1812	4.5	3.2	2.8	0.90±0.15	1.05±0.15	0.15±0.10

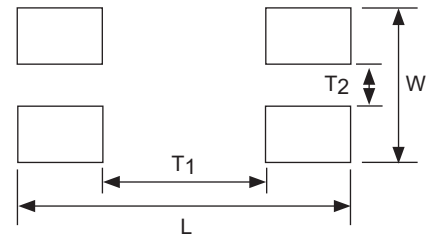


CIRCUIT SCHEMATIC

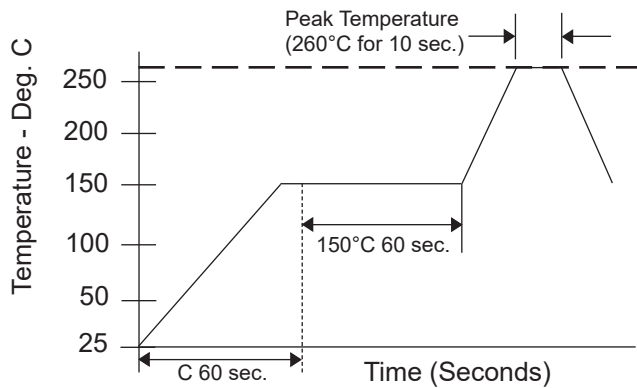


LAND PATTERN DIMENSIONS (mm)

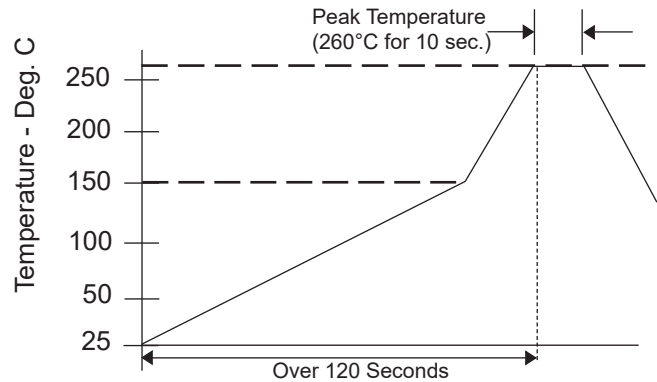
Case Size	L	W	T1	T2
1210	4.40	3.50	1.60	0.60
1812	5.00	3.60	3.00	1.20



RECOMMENDED REFLOW SOLDERING PROFILE



RECOMMENDED FLOW SOLDERING PROFILE



Series	A ± 0.1	B ± 0.1	E ± 0.1	F ± 0.05	P ₀ ± 0.1	P ₁ ± 0.1	Dφ ± 0.1	W ± 0.1	t ₁ ± 0.05	t ₂ ± 0.1	Reel Quantity
NCCH1210	2.88	3.72	1.75	3.5	4.0	4.0	1.5	8.0	0.26	2.5	2,000
NCCH1812	3.60	4.90		5.5	8.0	8.0		12.0		3.0	500

