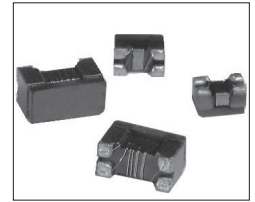




**FEATURES**

- HIGH RELIABILITY AEC-Q200 COMPLIANT
- HIGH COMMON MODE IMPEDANCE AT HIGH FREQUENCY
- SUITABLE FOR HIGH SPEED DIGITAL EQUIPMENT (USB/IEEE)
- LOW PROFILE SURFACE MOUNT PACKAGE (0805 ~ 1206)
- SHIELDED PROVIDING EXCELLENT NOISE SUPPRESSION
- BOTH FLOW AND REFLOW SOLDERING APPLICABLE



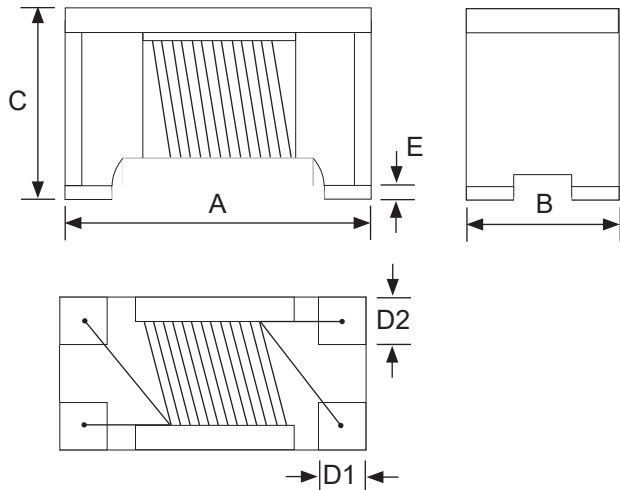
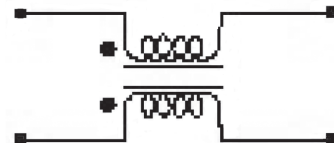
**CHARACTERISTICS**

Case Size	0805	1206
Impedance Range	67 ~ 360 Ohms	90 ~ 2,200 Ohms
Available Tolerance	±25%	
Temperature Range	-40°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	±25% of initial value after 10 cycles (-40°C ± 2°C / +125°C ± 2°C)	

**CASE DIMENSIONS (mm)**

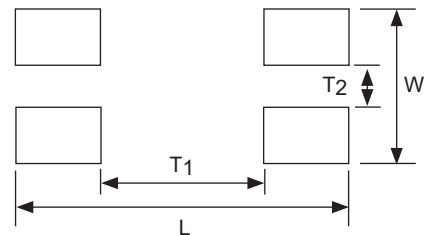
Type	A ±0.2	B ±0.2	C ±0.2	D1±0.1	D2 ±0.1	E ±0.1
NCCA0805	2.0	1.2	1.2	0.55	0.46	0.15
NCCA1206	3.2	1.6	2.0	0.50	0.50	0.15

**CIRCUIT SCHEMATIC**

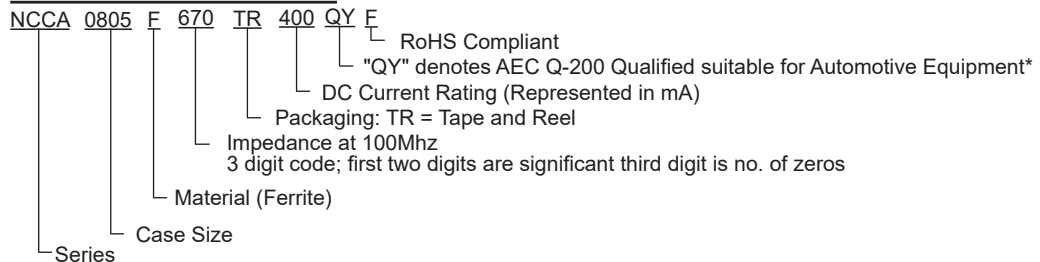


**LAND PATTERN DIMENSIONS (mm)**

Case Size	L	W	T1	T2
0805	2.60	1.25	1.10	0.45
1206	3.70	1.60	1.90	0.40



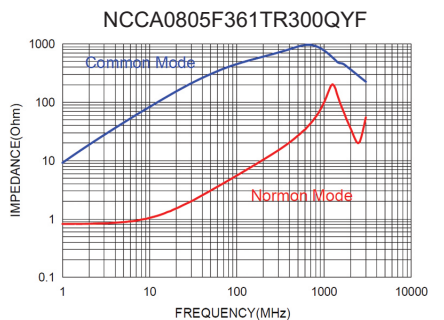
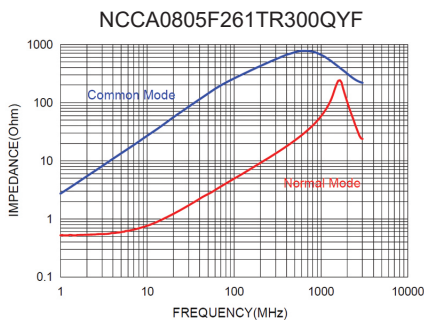
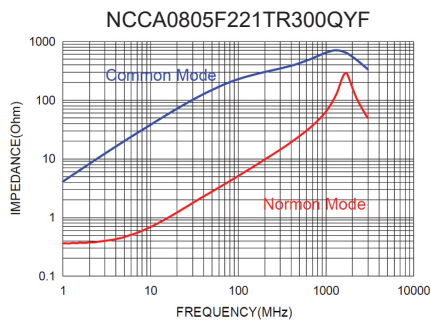
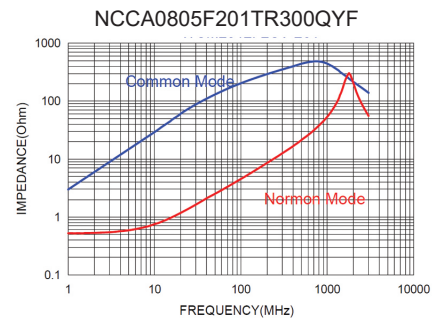
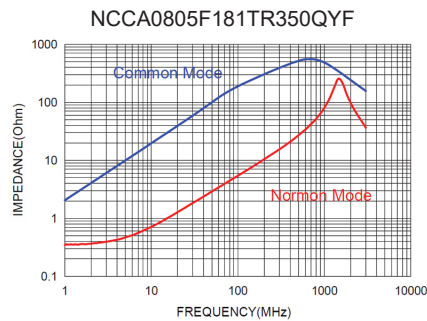
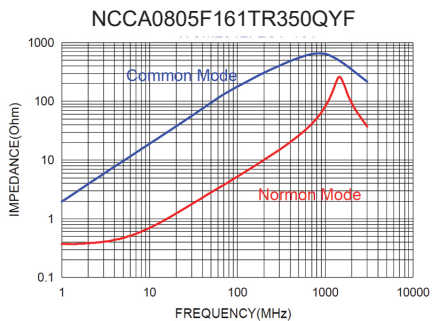
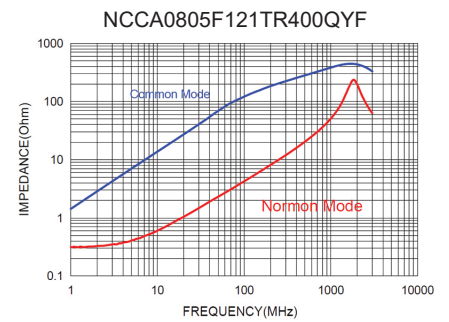
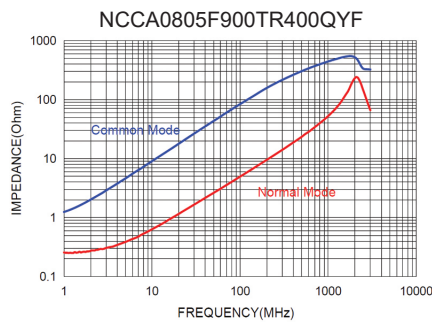
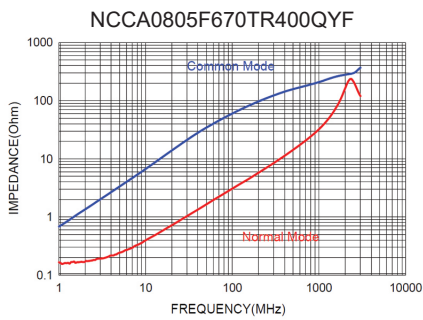
**PART NUMBER SYSTEM**





**NCCA0805 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)
NCCA0805F670TR400QYF	67 ±25%	100	0.25	400	50	125	10Meg
NCCA0805F900TR400QYF	90 ±25%		0.3	400			
NCCA0805F121TR400QYF	120 ±25%		0.3	400			
NCCA0805F161TR350QYF	160 ±25%		0.35	350			
NCCA0805F181TR350QYF	180 ±25%		0.35	350			
NCCA0805F201TR300QYF	200 ±25%		0.4	300			
NCCA0805F221TR300QYF	220 ±25%		0.4	300			
NCCA0805F261TR300QYF	260 ±25%		0.4	300			
NCCA0805F361TR300QYF	360 ±25%		0.5	300			

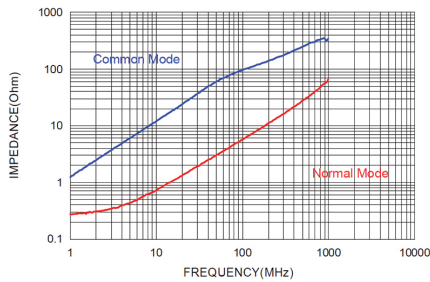




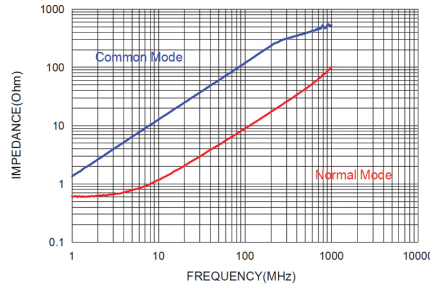
**NCCA1206 SPECIFICATIONS**

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)
NCCA1206F900TR400QYF	90 ±25%	100	0.3	400	50	125	10Meg
NCCA1206F121TR350QYF	120 ±25%		0.3	350			
NCCA1206F161TR350QYF	160 ±25%		0.4	350			
NCCA1206F221TR300QYF	220 ±25%		0.45	300			
NCCA1206F261TR300QYF	260 ±25%		0.5	300			
NCCA1206F361TR300QYF	360 ±25%		0.6	300			
NCCA1206F601TR300QYF	600 ±25%		0.8	300			
NCCA1206F102TR230QYF	1000 ±25%		1.0	230			
NCCA1206F222TR200QYF	2200 ±25%		1.2	200			

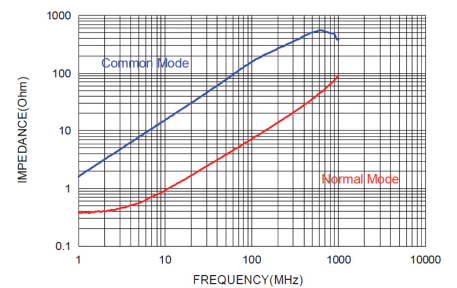
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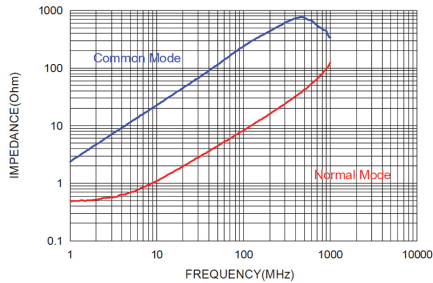
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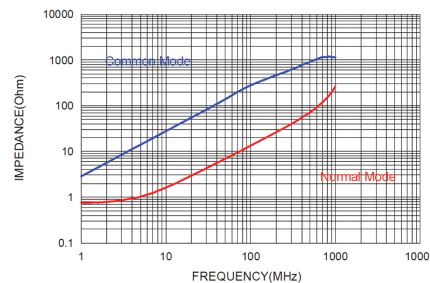
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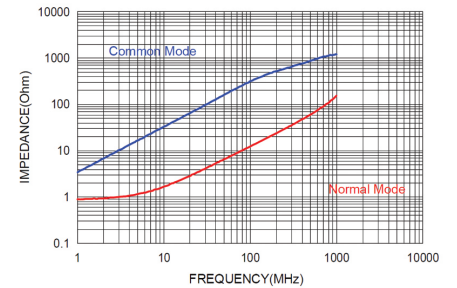
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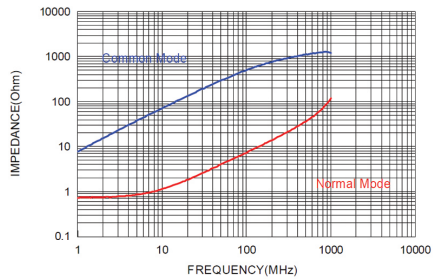
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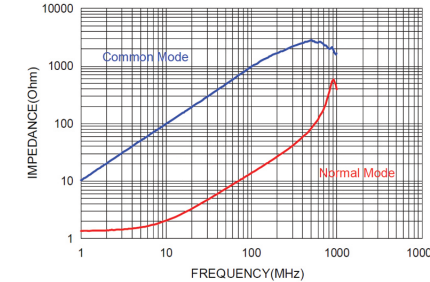
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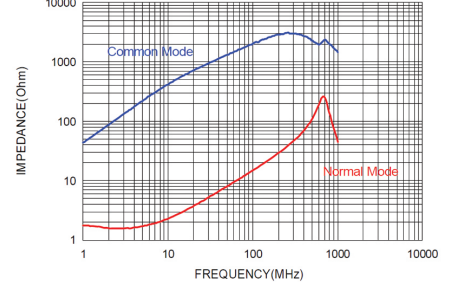
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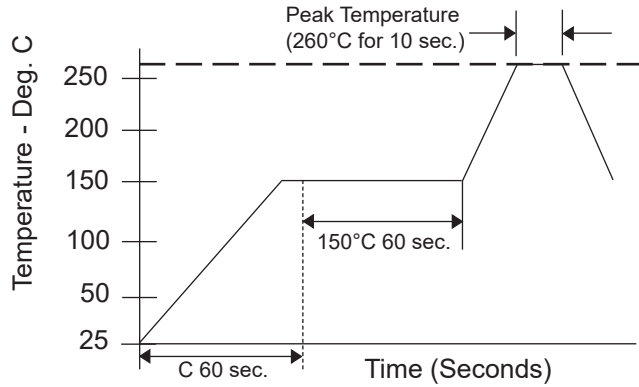
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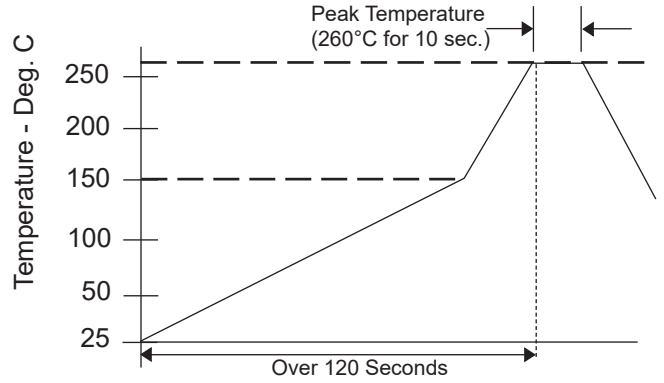
NCCA1206F222TR200QYF



**RECOMMENDED REFLOW SOLDERING PROFILE**



**RECOMMENDED FLOW SOLDERING PROFILE**



**Tape Dimensions**

Series	A ± 0.1	B ± 0.1	E ± 0.1	F ± 0.05	P <sub>0</sub> ± 0.1	P <sub>1</sub> ± 0.1	Dφ ± 0.1	W ± 0.1	t <sub>1</sub> ± 0.05	t <sub>2</sub> ± 0.1	Reel Quantity
NCCA0805	1.50	2.35	1.75	3.50	4.00	4.00	1.50	8.00	0.22	1.45	2,000
NCCA1206	1.88	3.50								2.10	

