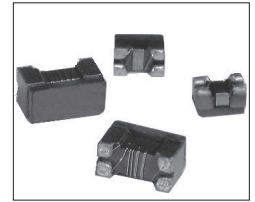


FEATURES

- HIGH RELIABILITY COMPLIED TO AECQ200
- HIGH COMMON MODE IMPEDANCE AT HIGH FREQUENCY
- SUITABLE FOR HIGH SPEED DIGITAL EQUIPMENT (USB/IEEE)
- LOW PROFILE SURFACE MOUNT PACKAGE
- SHIELDED PROVIDING EXCELLENT NOISE SUPPRESSION
- BOTH FLOW AND REFLOW SOLDERING APPLICABLE



CHARACTERISTICS

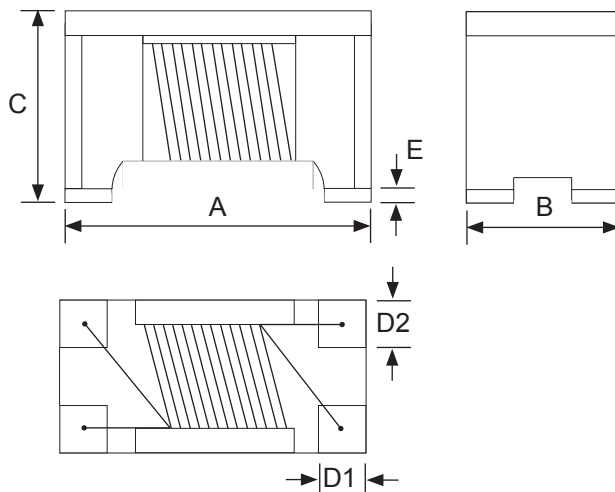
Case Size	0805	1206
Impedance Range	67 ~ 360 Ohms	90 ~ 2,200 Ohms
Available Tolerance	±25%	
Temperature Range	-40°C ~ +125°C	
Withstanding voltage	125VDC 30 seconds	
Insulation Resistance	10MΩ after application 50V for 30 seconds	
Resistance to Solder Heat	260°C ±5°C for 10 seconds	
Temperature Cycling	±25% of initial value after 10 cycles (-40°C ± 2°C / +125°C ± 2°C)	

**RoHS
Compliant**
includes all homogeneous materials

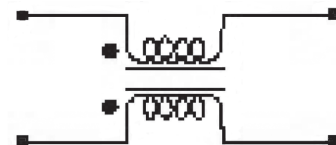
*See Part Number System for Details

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

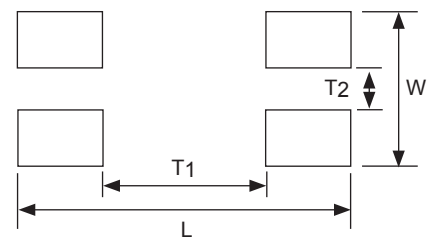


CIRCUIT SCHEMATIC



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

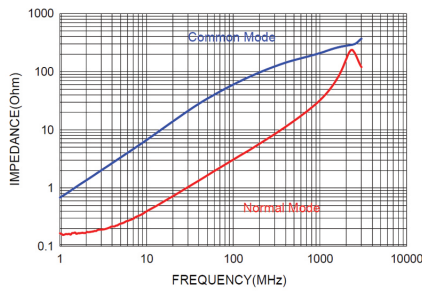
NCCA 0805 E 670 TR 400 QY E

- NCCA: Series
- 0805: Case Size
- E: Material (Ferrite)
- 670: Impedance at 100Mhz
3 digit code; first two digits are significant third digit is no. of zeros
- TR: Packaging: TR = Tape and Reel
- 400: DC Current Rating (Represented in mA)
- QY: "QY" denotes AEC Q-200 Qualified suitable for Automotive Equipment*
- E: RoHS Compliant

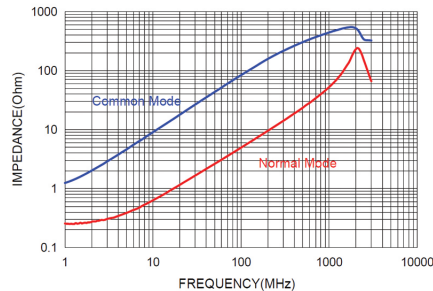
NCCA0805 SPECIFICATIONS

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 $\pm$ 25%	100	0.25	400	50	125	10Meg
NCCA0805F900TR400QYF	90 $\pm$ 25%		0.3	400			
NCCA0805F121TR400QYF	120 $\pm$ 25%		0.3	400			
NCCA0805F161TR350QYF	160 $\pm$ 25%		0.35	350			
NCCA0805F181TR350QYF	180 $\pm$ 25%		0.35	350			
NCCA0805F201TR300QYF	200 $\pm$ 25%		0.4	300			
NCCA0805F221TR300QYF	220 $\pm$ 25%		0.4	300			
NCCA0805F261TR300QYF	260 $\pm$ 25%		0.4	300			
NCCA0805F361TR300QYF	360 $\pm$ 25%		0.5	300			

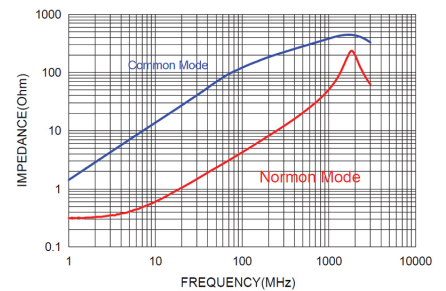
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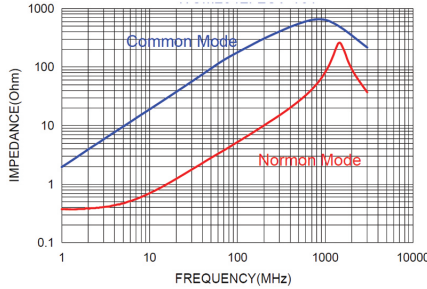
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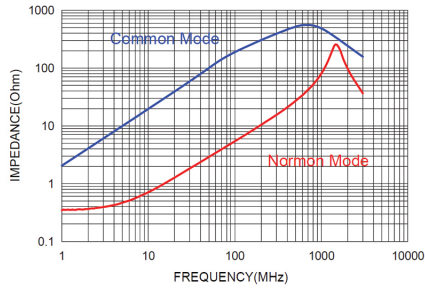
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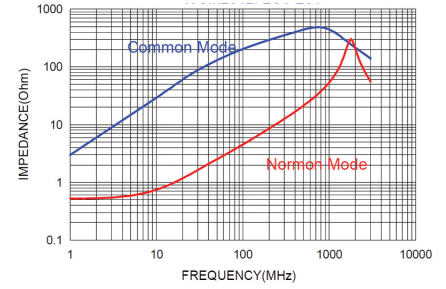
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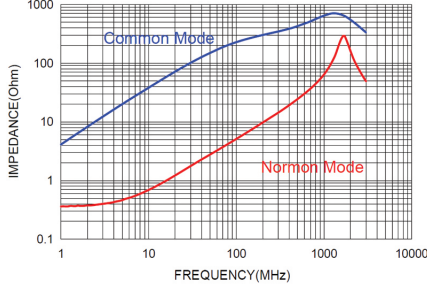
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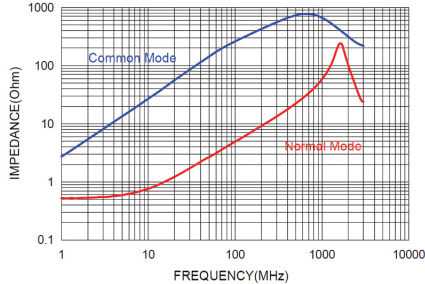
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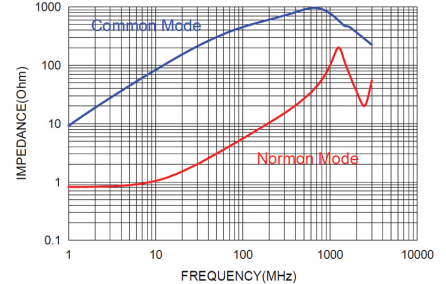
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NCCA0805F261TR300QYF



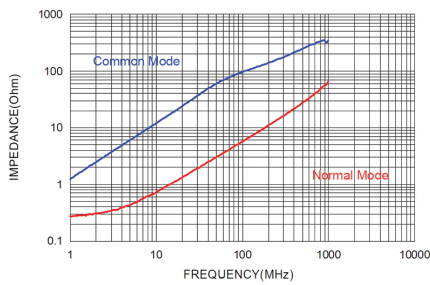
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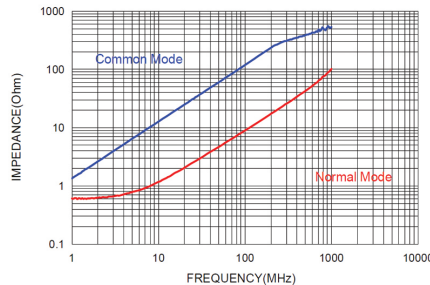
NCCA1206 SPECIFICATIONS

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 $\pm$ 25%	100	0.3	400	50	125	10Meg
NCCA1206F121TR350QYF	120 $\pm$ 25%		0.3	350			
NCCA1206F161TR350QYF	160 $\pm$ 25%		0.4	350			
NCCA1206F221TR300QYF	220 $\pm$ 25%		0.45	300			
NCCA1206F261TR300QYF	260 $\pm$ 25%		0.5	300			
NCCA1206F361TR300QYF	360 $\pm$ 25%		0.6	300			
NCCA1206F601TR300QYF	600 $\pm$ 25%		0.8	300			
NCCA1206F102TR230QYF	1000 $\pm$ 25%		1	230			
NCCA1206F222TR200QYF	2200 $\pm$ 25%		1.2	200			

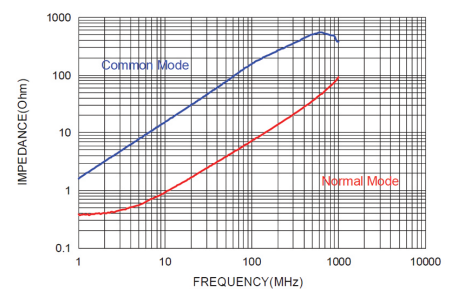
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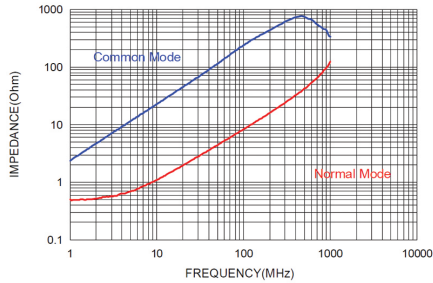
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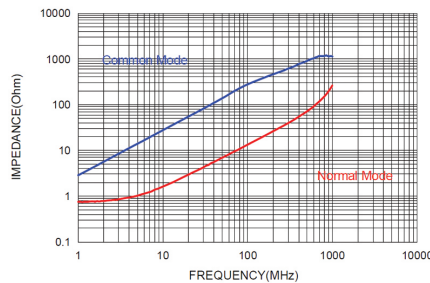
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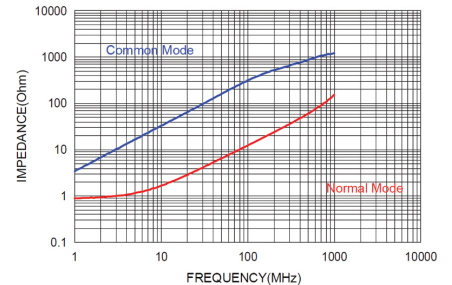
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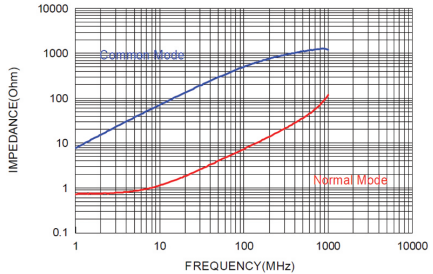
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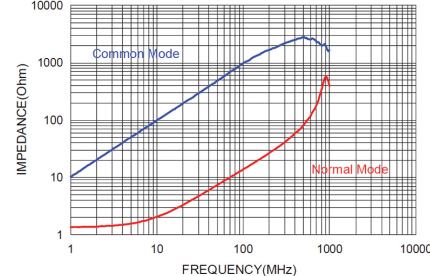
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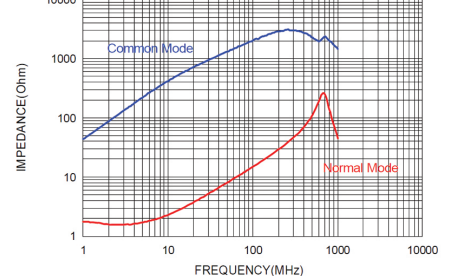
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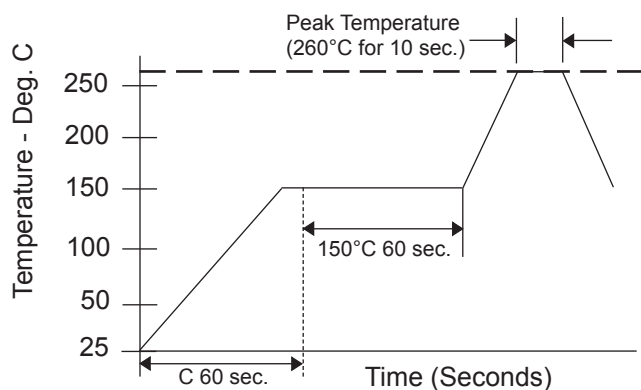
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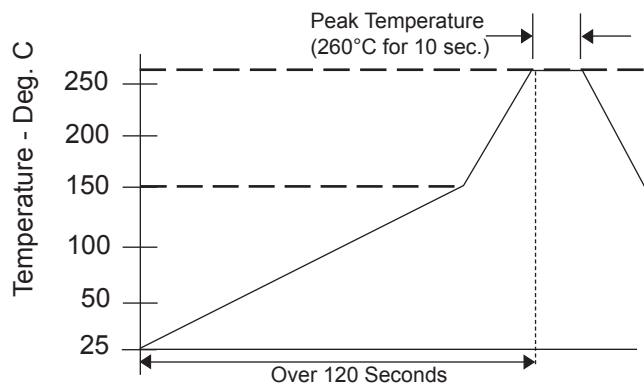
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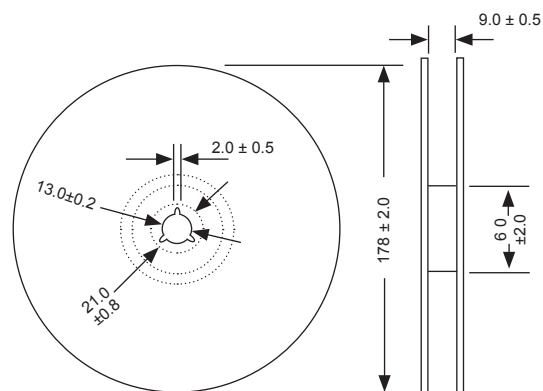
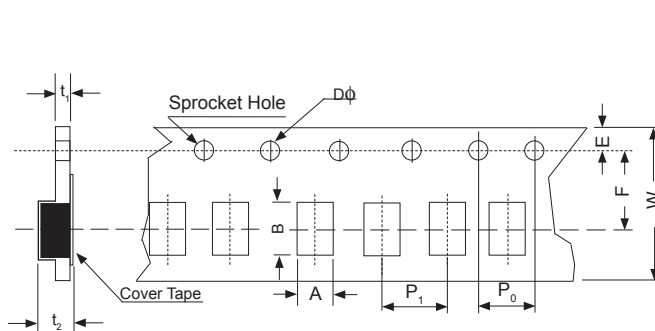
RECOMMENDED REFLOW SOLDERING PROFILE



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
NCCA0805	1.50	2.35	1.75	3.5	4.0	4.0	1.5	8.0	0.22	1.45	2,000
NCCA1206	1.88	3.50								2.10	



REEL QUANTITY: 2,000 per reel
(0805 & 1206 case size)