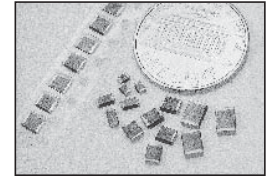


### FEATURES

- RUGGED CONSTRUCTION IN STANDARD EIA SIZES
- **AEC Q-200 QUALIFIED**
- EFFECTIVE EM/RFI SUPPRESSION UP TO 1GHz
- CURRENT RATINGS UP TO 2.2 AMPS
- SHARP AND HIGH IMPEDANCES AVAILABLE
- OPERATING TEMPERATURE RANGE: -55°C TO +125°C
- SUITABLE FOR AUTOMOTIVE EQUIPMENT\*

**RoHS  
Compliant**  
includes all homogeneous materials

\*See Part Number System for Details

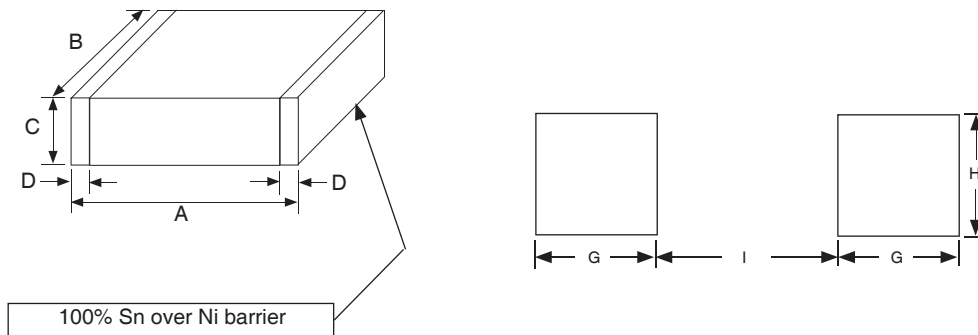


### CHARACTERISTICS

| Type                        | General Range    | Sharp High Impedances |
|-----------------------------|------------------|-----------------------|
| Sizes Available             | 0603, 0805, 1206 | 0603, 0805            |
| Impedance Range             | 15Ω ~ 2,000Ω     | 10Ω ~ 2,700Ω          |
| Impedance Tolerance         | ±25% Tol.        |                       |
| Operating Temperature Range | -55°C ~ +125°C   |                       |

### CASE SIZE & LAND PATTERN DIMENSIONS (mm)

| EIA Size | A (mm)        | B (mm)      | C (mm)      | D (mm)      | G (mm)      | H (mm)      | I (mm)      |
|----------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 0603     | 1.60 ± 0.15   | 0.80 ± 0.15 | 0.80 ± 0.15 | 0.30 ± 0.20 | 0.60 ~ 0.80 | 0.60 ~ 0.80 | 0.60 ~ 0.80 |
| 0805     | 2.0 +0.3/-0.1 | 1.25 ± 0.20 | 0.85 ± 0.20 | 0.50 ± 0.30 | 0.80 ~ 1.20 | 0.90 ~ 1.60 | 0.80 ~ 1.20 |
| 1206     | 3.20 ± 0.20   | 1.60 ± 0.20 | 0.85 ± 0.20 | 0.85 ± 0.20 | 1.00 ~ 1.50 | 1.20 ~ 2.00 | 1.80 ~ 2.50 |



### PART NUMBER SYSTEM

NCB 0805 G U 301 TR 050 Q Y E RoHS Compliant

"Q" denotes AEC Q-200 qualified

DC Current Rating (see standard values and case size table)

Packaging: TR = Tape and Reel

Impedance at 100Mhz

3 digit code; first two digits are significant third digit is no. of zeros

Frequency Characteristic (see frequency response curves)

Type (G = General Range, S = Sharp/High Impedance)

Case Size

Series

"Y" denotes suitable for Automotive equipment, sourced to special production and inspection at TS-16949 certified production site.



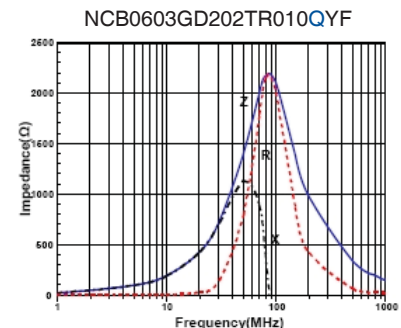
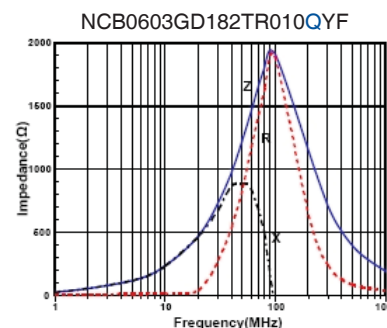
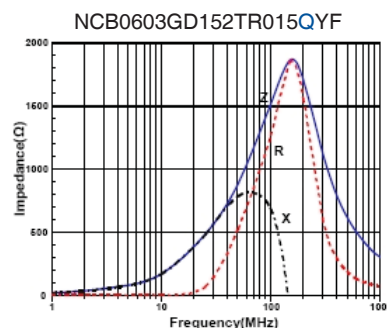
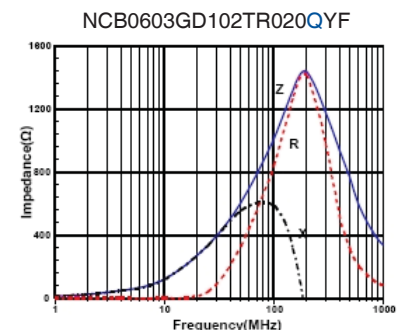
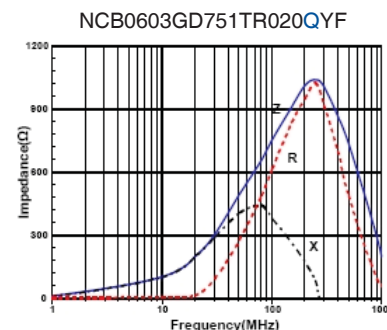
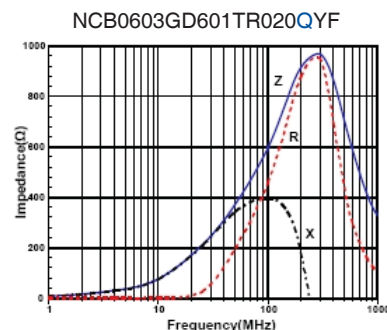
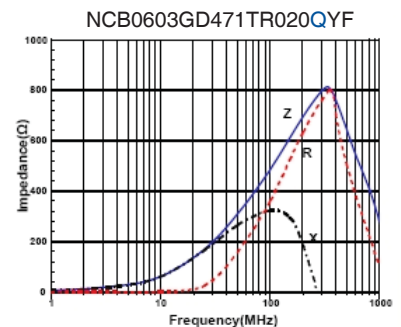
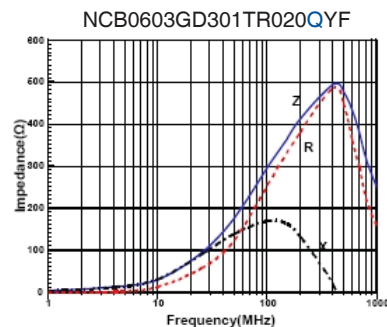
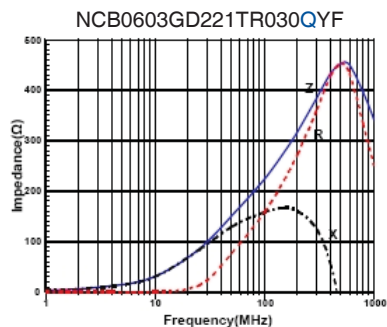
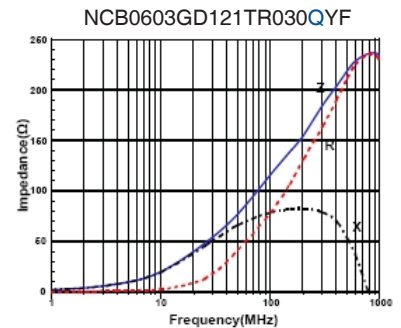
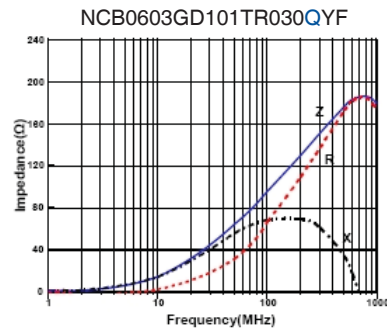
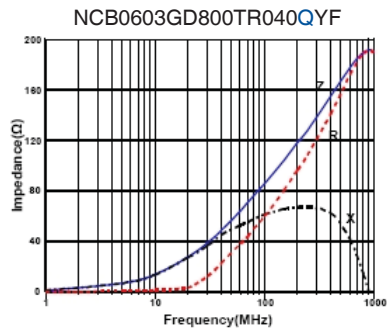
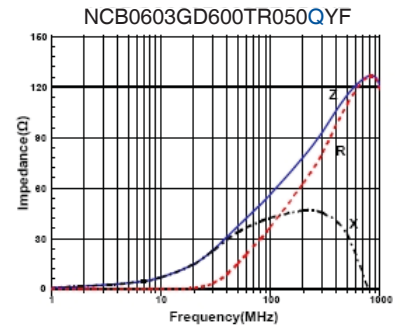
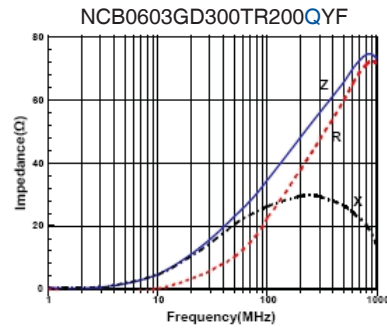
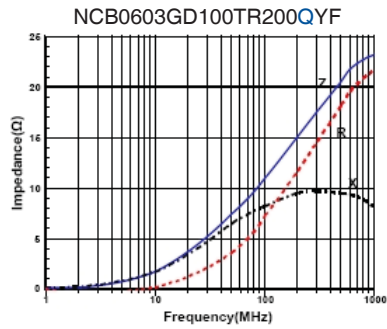
\*Suitable for automotive eEquipment, sourced to special production and inspection at TS-16949 certified production site.

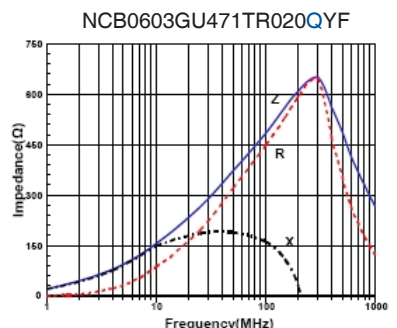
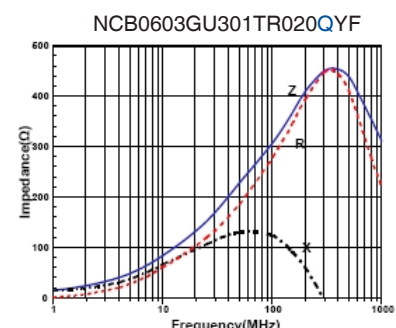
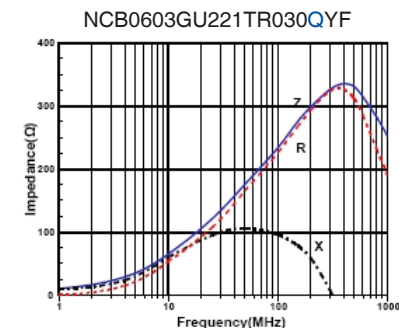
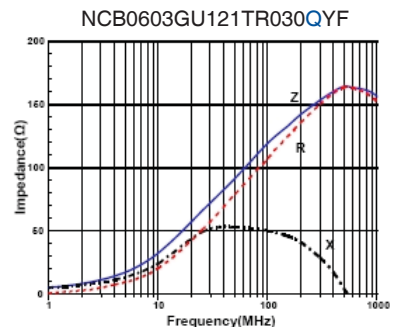
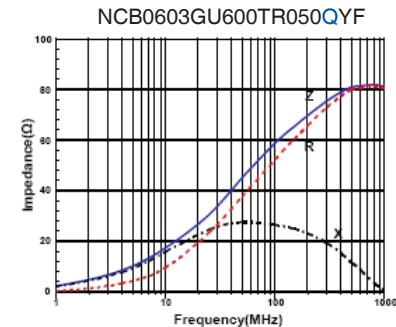
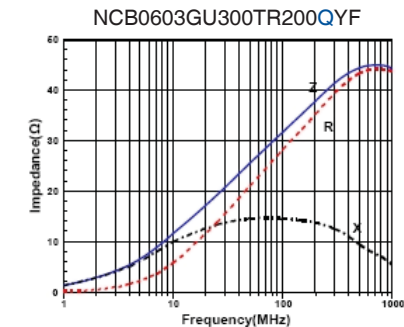
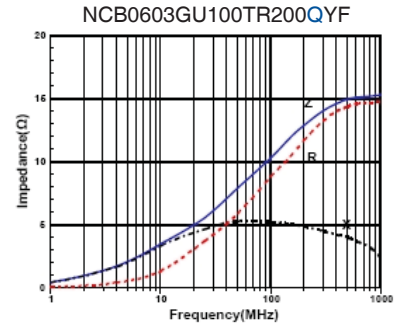
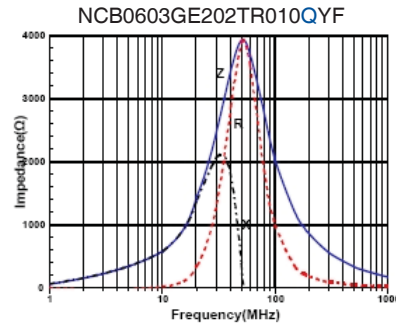
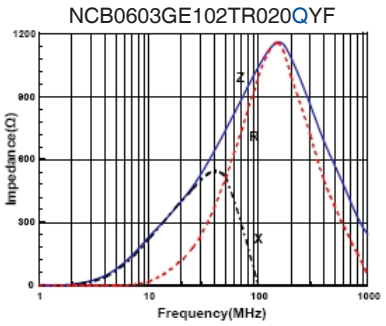
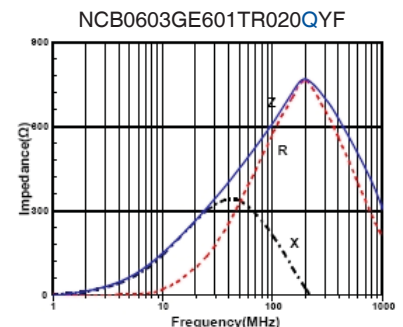
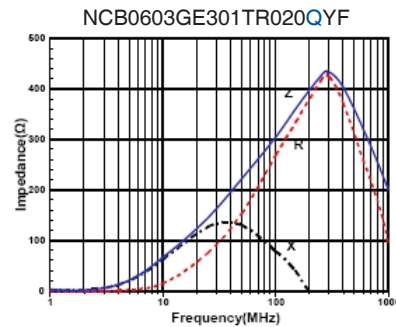
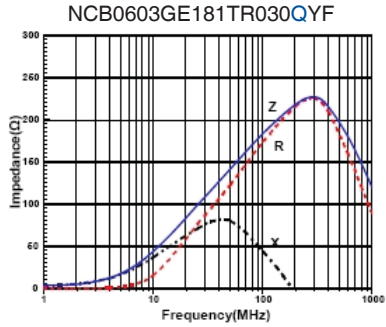
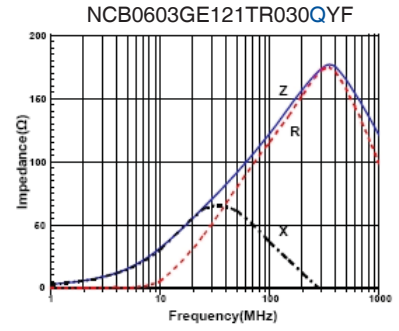
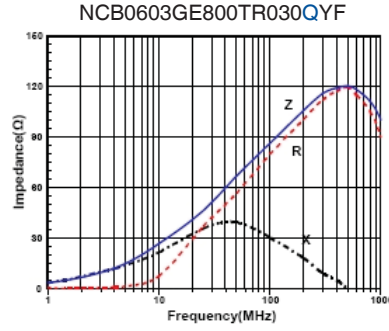
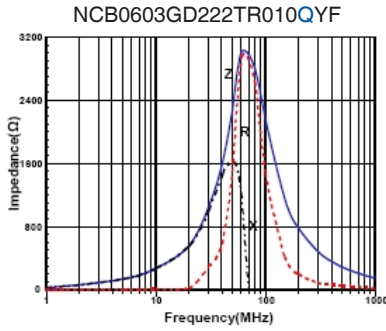
### STANDARD VALUES AND CASE SIZES (mm)

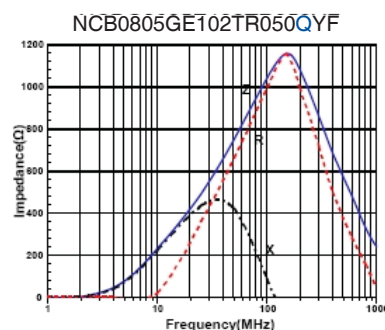
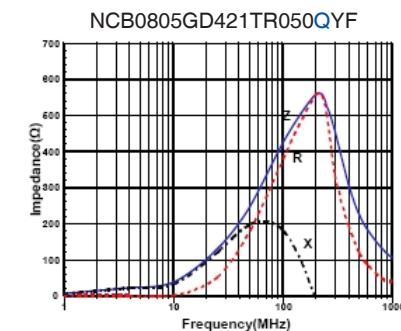
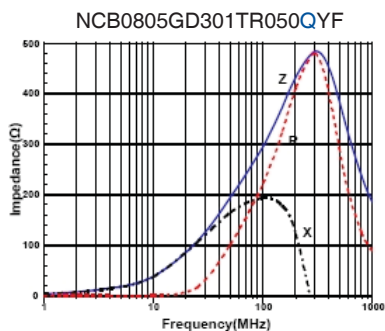
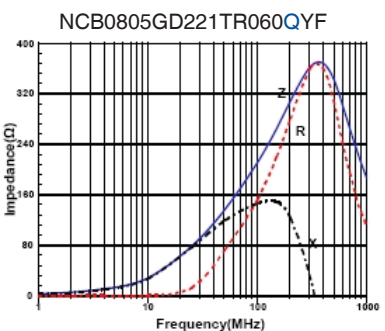
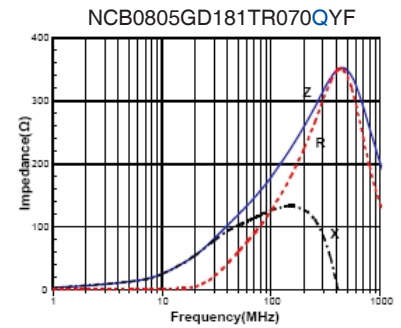
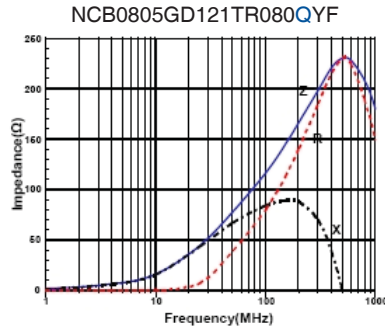
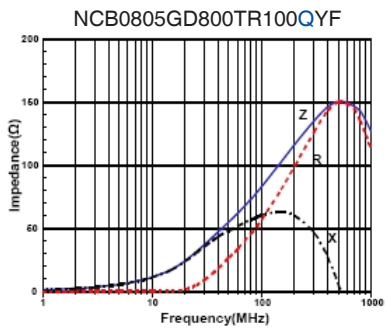
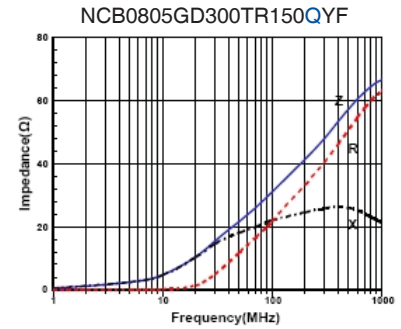
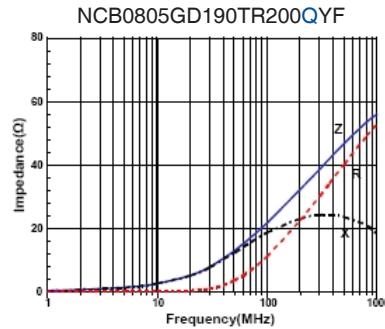
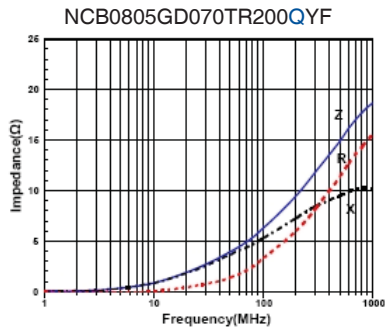
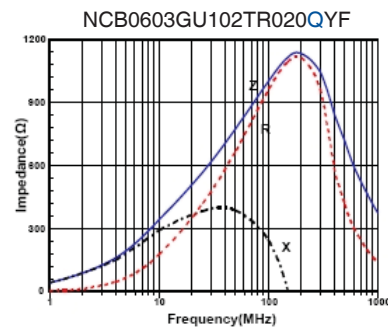
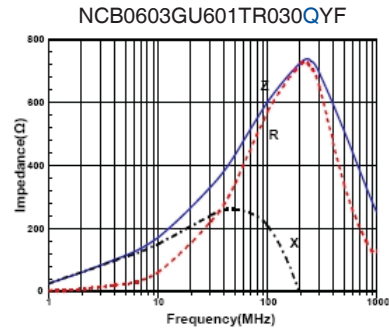
| EIA Size | NIC Part Number      | Impedance at 100MHz $\Omega$ | DC Resistance Max. ( $\Omega$ ) | DC Current Max. (mA) | A (mm)          | B (mm)          | C (mm)          | D (mm)          |
|----------|----------------------|------------------------------|---------------------------------|----------------------|-----------------|-----------------|-----------------|-----------------|
| 0603     | NCB0603GD110TR200QYF | 0 ~ 15                       | 0.05                            | 2,000                | 1.60 $\pm$ 0.15 | 0.80 $\pm$ 0.15 | 0.80 $\pm$ 0.15 | 0.30 $\pm$ 0.20 |
|          | NCB0603GD300TR200QYF | 30 $\pm$ 25%                 | 0.05                            | 2,000                |                 |                 |                 |                 |
|          | NCB0603GD600TR050QYF | 60 $\pm$ 25%                 | 0.10                            | 500                  |                 |                 |                 |                 |
|          | NCB0603GD800TR040QYF | 80 $\pm$ 25%                 | 0.15                            | 400                  |                 |                 |                 |                 |
|          | NCB0603GD101TR030QYF | 100 $\pm$ 25%                | 0.20                            | 300                  |                 |                 |                 |                 |
|          | NCB0603GD121TR030QYF | 120 $\pm$ 25%                | 0.20                            | 300                  |                 |                 |                 |                 |
|          | NCB0603GD221TR030QYF | 220 $\pm$ 25%                | 0.30                            | 300                  |                 |                 |                 |                 |
|          | NCB0603GD301TR020QYF | 300 $\pm$ 25%                | 0.35                            | 200                  |                 |                 |                 |                 |
|          | NCB0603GD471TR020QYF | 470 $\pm$ 25%                | 0.45                            | 200                  |                 |                 |                 |                 |
|          | NCB0603GD601TR020QYF | 600 $\pm$ 25%                | 0.45                            | 200                  |                 |                 |                 |                 |
|          | NCB0603GD751TR020QYF | 750 $\pm$ 25%                | 0.50                            | 200                  |                 |                 |                 |                 |
|          | NCB0603GD102TR020QYF | 1000 $\pm$ 25%               | 0.60                            | 200                  |                 |                 |                 |                 |
|          | NCB0603GD152TR015QYF | 1500 $\pm$ 25%               | 0.70                            | 150                  |                 |                 |                 |                 |
|          | NCB0603GD182TR010QYF | 1800 $\pm$ 25%               | 0.90                            | 100                  |                 |                 |                 |                 |
|          | NCB0603GD202TR010QYF | 2000 $\pm$ 25%               | 1.20                            | 100                  |                 |                 |                 |                 |
|          | NCB0603GD222TR010QYF | 2200 $\pm$ 25%               | 1.20                            | 100                  |                 |                 |                 |                 |
|          | NCB0603GE800TR030QYF | 80 $\pm$ 25%                 | 0.15                            | 300                  |                 |                 |                 |                 |
|          | NCB0603GE121TR030QYF | 120 $\pm$ 25%                | 0.20                            | 300                  |                 |                 |                 |                 |
|          | NCB0603GE181TR030QYF | 180 $\pm$ 25%                | 0.30                            | 300                  |                 |                 |                 |                 |
|          | NCB0603GE301TR020QYF | 300 $\pm$ 25%                | 0.35                            | 200                  |                 |                 |                 |                 |
|          | NCB0603GE601TR020QYF | 600 $\pm$ 25%                | 0.45                            | 200                  |                 |                 |                 |                 |
|          | NCB0603GE102TR020QYF | 1000 $\pm$ 25%               | 0.60                            | 200                  |                 |                 |                 |                 |
|          | NCB0603GE202TR010QYF | 2000 $\pm$ 25%               | 1.00                            | 100                  |                 |                 |                 |                 |
|          | NCB0603GU100TR200QYF | 0 ~ 15                       | 0.05                            | 2000                 |                 |                 |                 |                 |
|          | NCB0603GU300TR200QYF | 30 $\pm$ 25%                 | 0.05                            | 2000                 |                 |                 |                 |                 |
|          | NCB0603GU600TR050QYF | 60 $\pm$ 25%                 | 0.10                            | 500                  |                 |                 |                 |                 |
|          | NCB0603GU121TR030QYF | 120 $\pm$ 25%                | 0.20                            | 300                  |                 |                 |                 |                 |
|          | NCB0603GU221TR030QYF | 220 $\pm$ 25%                | 0.30                            | 300                  |                 |                 |                 |                 |
|          | NCB0603GU301TR020QYF | 300 $\pm$ 25%                | 0.35                            | 200                  |                 |                 |                 |                 |
|          | NCB0603GU471TR020QYF | 470 $\pm$ 25%                | 0.40                            | 200                  |                 |                 |                 |                 |
|          | NCB0603GU601TR020QYF | 600 $\pm$ 25%                | 0.50                            | 200                  |                 |                 |                 |                 |
|          | NCB0603GU102TR020QYF | 1000 $\pm$ 25%               | 0.60                            | 200                  |                 |                 |                 |                 |
| 0805     | NCB0805GD070TR200QYF | 0 ~ 15                       | 0.04                            | 2000                 | 2.0 +0.3/-0.1   | 1.25 $\pm$ 0.2  | 0.85 $\pm$ 0.2  | 0.5 $\pm$ 0.3   |
|          | NCB0805GD190TR200QYF | 19 $\pm$ 25%                 | 0.04                            | 2000                 |                 |                 |                 |                 |
|          | NCB0805GD300TR150QYF | 30 $\pm$ 25%                 | 0.05                            | 1500                 |                 |                 |                 |                 |
|          | NCB0805GD800TR100QYF | 80 $\pm$ 25%                 | 0.10                            | 1000                 |                 |                 |                 |                 |
|          | NCB0805GD121TR080QYF | 120 $\pm$ 25%                | 0.15                            | 800                  |                 |                 |                 |                 |
|          | NCB0805GD181TR070QYF | 180 $\pm$ 25%                | 0.18                            | 700                  |                 |                 |                 |                 |
|          | NCB0805GD221TR060QYF | 220 $\pm$ 25%                | 0.20                            | 600                  |                 |                 |                 |                 |
|          | NCB0805GD301TR050QYF | 300 $\pm$ 25%                | 0.20                            | 500                  |                 |                 |                 |                 |
|          | NCB0805GD421TR050QYF | 420 $\pm$ 25%                | 0.30                            | 500                  |                 |                 |                 |                 |
|          | NCB0805GD501TR050QYF | 500 $\pm$ 25%                | 0.30                            | 500                  |                 |                 |                 |                 |
|          | NCB0805GD601TR050QYF | 600 $\pm$ 25%                | 0.30                            | 500                  |                 |                 |                 |                 |
|          | NCB0805GD751TR050QYF | 750 $\pm$ 25%                | 0.35                            | 500                  |                 |                 |                 |                 |
|          | NCB0805GD102TR050QYF | 1000 $\pm$ 25%               | 0.35                            | 500                  |                 |                 |                 |                 |
|          | NCB0805GD152TR050QYF | 1500 $\pm$ 25%               | 0.40                            | 500                  |                 |                 |                 |                 |
|          | NCB0805GD202TR050QYF | 2000 $\pm$ 25%               | 0.50                            | 500                  |                 |                 |                 |                 |
|          | NCB0805GE800TR100QYF | 80 $\pm$ 25%                 | 0.10                            | 1000                 |                 |                 |                 |                 |
|          | NCB0805GE121TR080QYF | 120 $\pm$ 25%                | 0.15                            | 800                  |                 |                 |                 |                 |

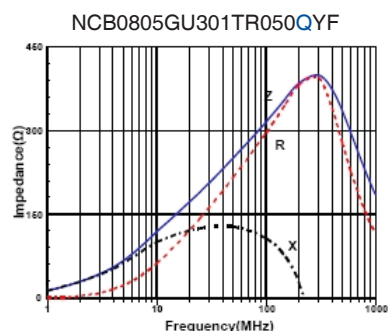
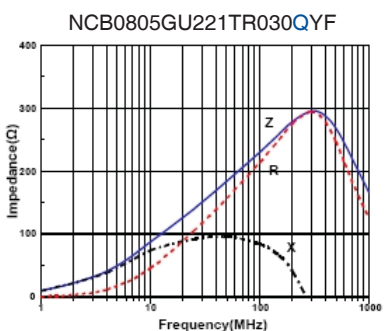
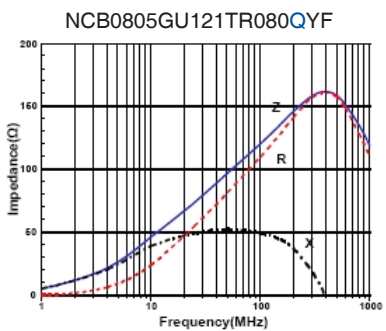
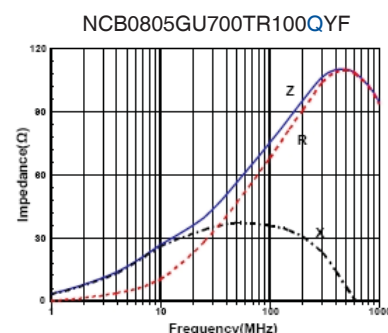
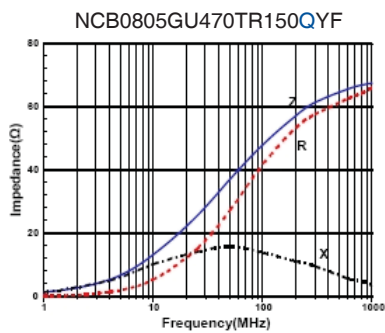
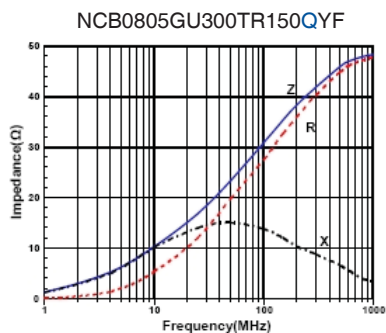
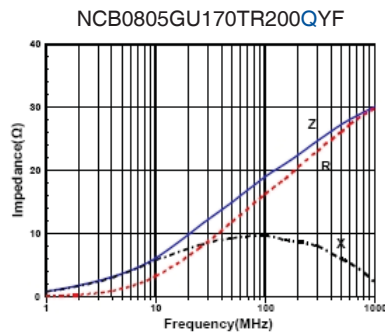
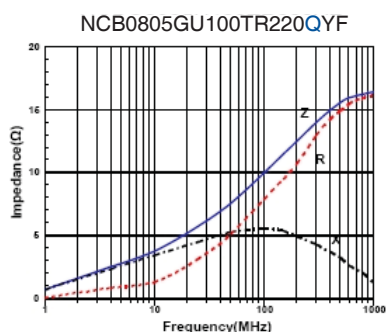
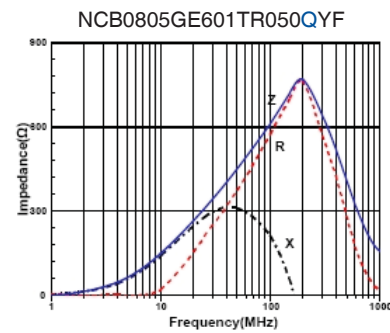
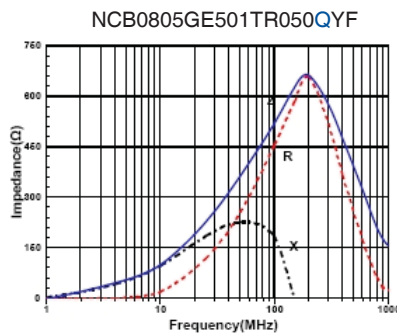
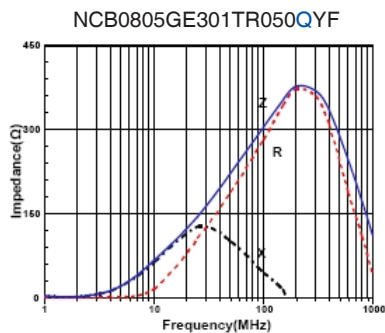
### STANDARD VALUES AND CASE SIZES (mm)

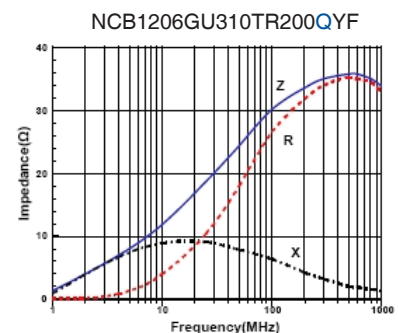
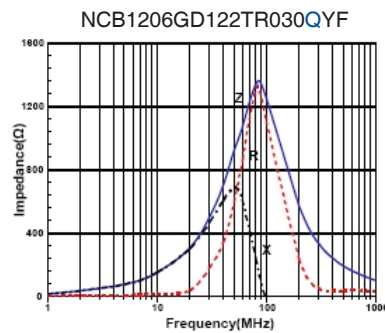
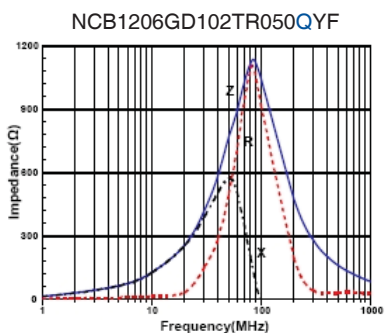
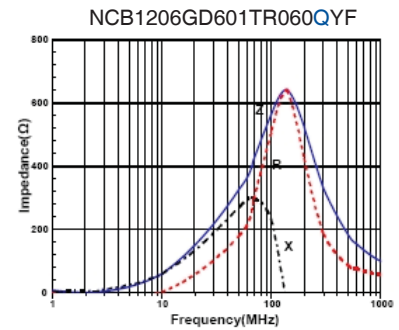
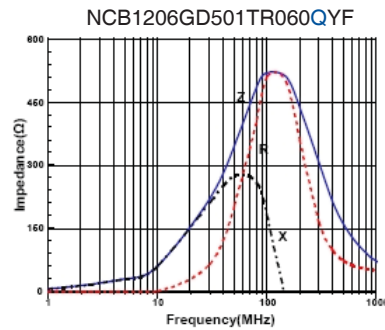
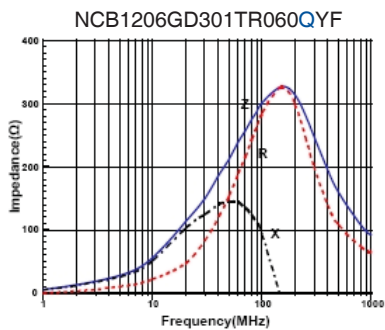
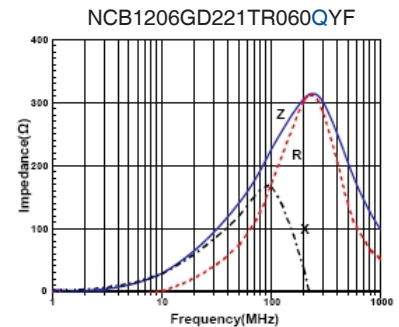
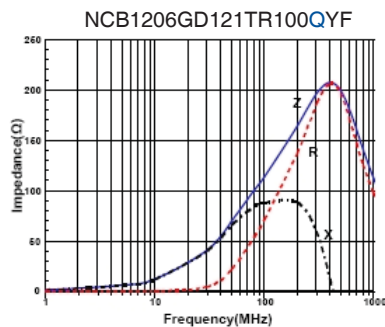
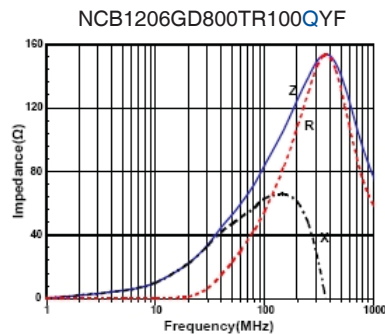
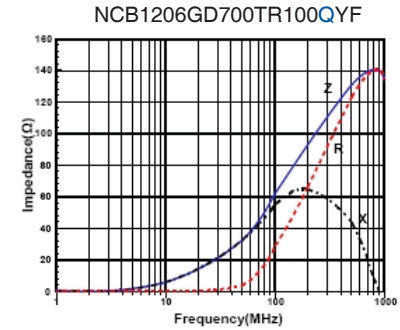
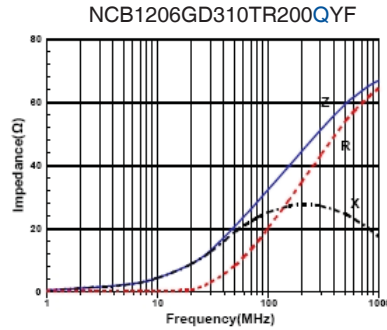
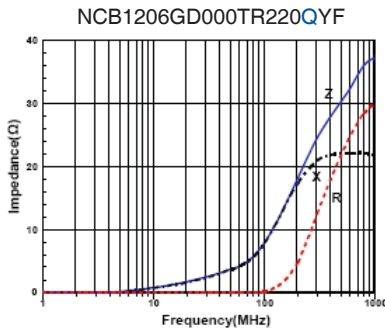
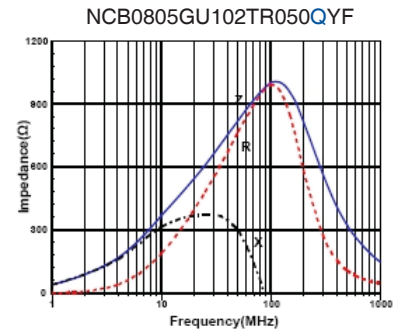
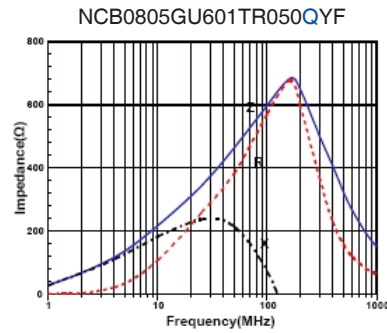
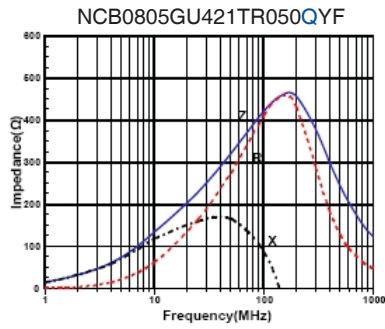
| EIA Size | NIC Part Number      | Impedance at 100MHz<br>$\Omega$ ( $\pm 25\%$ Tol.) | DC Resistance<br>Max. ( $\Omega$ ) | DC Current<br>Max. (mA) | A (mm)         | B (mm)         | C (mm)         | D (mm)         |
|----------|----------------------|----------------------------------------------------|------------------------------------|-------------------------|----------------|----------------|----------------|----------------|
| 0805     | NCB0805GE181TR060QYF | 180 $\pm$ 25%                                      | 0.20                               | 600                     | 2.0 +0.3/-0.1  | 1.25 $\pm$ 0.2 | 0.85 $\pm$ 0.2 | 0.5 $\pm$ 0.3  |
|          | NCB0805GE301TR050QYF | 300 $\pm$ 25%                                      | 0.20                               | 500                     |                |                |                |                |
|          | NCB0805GE501TR050QYF | 500 $\pm$ 25%                                      | 0.30                               | 500                     |                |                |                |                |
|          | NCB0805GE601TR050QYF | 600 $\pm$ 25%                                      | 0.30                               | 500                     |                |                |                |                |
|          | NCB0805GE102TR050QYF | 1000 $\pm$ 25%                                     | 0.35                               | 500                     |                |                |                |                |
|          | NCB0805GU100TR220QYF | 0 ~ 15                                             | 0.04                               | 2200                    |                |                |                |                |
|          | NCB0805GU170TR200QYF | 17 $\pm$ 25%                                       | 0.04                               | 2000                    |                |                |                |                |
|          | NCB0805GU300TR150QYF | 30 $\pm$ 25%                                       | 0.05                               | 1500                    |                |                |                |                |
|          | NCB0805GU470TR150QYF | 47 $\pm$ 25%                                       | 0.05                               | 1500                    |                |                |                |                |
|          | NCB0805GU700TR100QYF | 70 $\pm$ 25%                                       | 0.10                               | 1000                    |                |                |                |                |
|          | NCB0805GU121TR080QYF | 120 $\pm$ 25%                                      | 0.15                               | 800                     |                |                |                |                |
|          | NCB0805GU221TR060QYF | 220 $\pm$ 25%                                      | 0.20                               | 600                     |                |                |                |                |
|          | NCB0805GU301TR050QYF | 300 $\pm$ 25%                                      | 0.20                               | 500                     |                |                |                |                |
|          | NCB0805GU421TR050QYF | 420 $\pm$ 25%                                      | 0.25                               | 500                     |                |                |                |                |
|          | NCB0805GU601TR050QYF | 600 $\pm$ 25%                                      | 0.30                               | 500                     |                |                |                |                |
|          | NCB0805GU102TR050QYF | 1000 $\pm$ 25%                                     | 0.40                               | 500                     |                |                |                |                |
| 1206     | NCB1206GD000TR220QYF | 0 ~ 15                                             | 0.03                               | 2200                    | 3.2 $\pm$ 0.20 | 1.6 $\pm$ 0.20 | 0.85 $\pm$ 0.2 | 0.85 $\pm$ 0.2 |
|          | NCB1206GD310TR200QYF | 31 $\pm$ 25%                                       | 0.05                               | 2000                    |                |                |                |                |
|          | NCB1206GD600TR100QYF | 60 $\pm$ 25%                                       | 0.10                               | 1000                    |                |                |                |                |
|          | NCB1206GD800TR100QYF | 80 $\pm$ 25%                                       | 0.10                               | 1000                    |                |                |                |                |
|          | NCB1206GD121TR100QYF | 120 $\pm$ 25%                                      | 0.10                               | 1000                    |                |                |                |                |
|          | NCB1206GD221TR060QYF | 220 $\pm$ 25%                                      | 0.20                               | 600                     |                |                |                |                |
|          | NCB1206GD301TR060QYF | 300 $\pm$ 25%                                      | 0.20                               | 600                     |                |                |                |                |
|          | NCB1206GD501TR060QYF | 500 $\pm$ 25%                                      | 0.30                               | 600                     |                |                |                |                |
|          | NCB1206GD601TR060QYF | 600 $\pm$ 25%                                      | 0.30                               | 600                     |                |                |                |                |
|          | NCB1206GD102TR050QYF | 1000 $\pm$ 25%                                     | 0.60                               | 500                     |                |                |                |                |
|          | NCB1206GD122TR030QYF | 1200 $\pm$ 25%                                     | 0.60                               | 300                     |                |                |                |                |
|          | NCB1206GU310TR200QYF | 31 $\pm$ 25%                                       | 0.05                               | 2000                    |                |                |                |                |
|          | NCB1206GU700TR100QYF | 70 $\pm$ 25%                                       | 0.10                               | 1000                    |                |                |                |                |
|          | NCB1206GU301TR060QYF | 300 $\pm$ 25%                                      | 0.20                               | 600                     |                |                |                |                |
|          | NCB1206GU601TR060QYF | 600 $\pm$ 25%                                      | 0.30                               | 600                     |                |                |                |                |

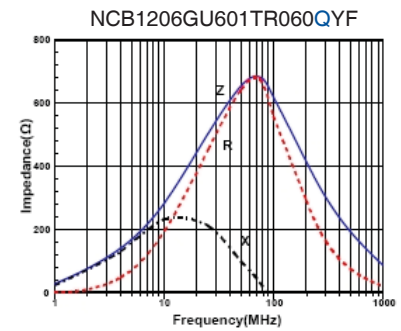
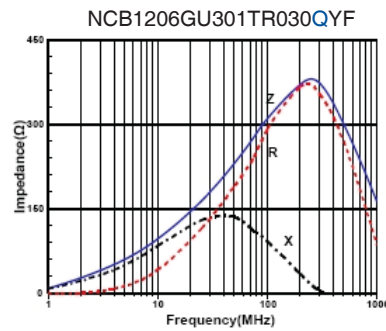
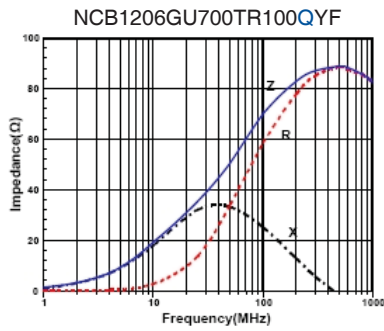






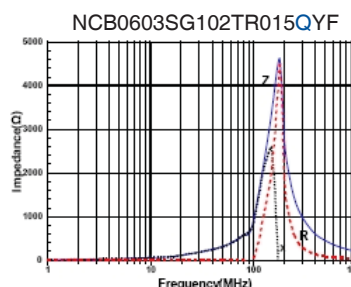
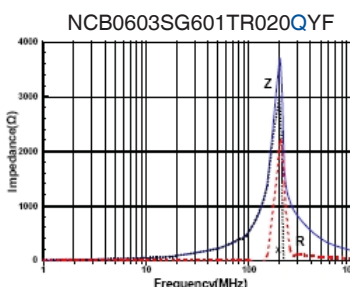
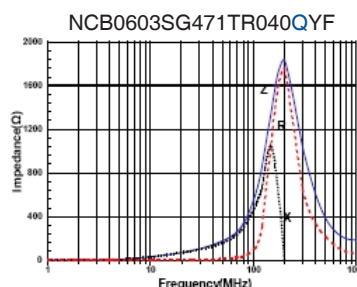
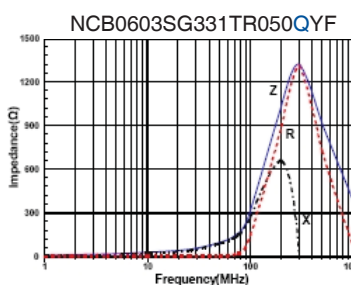
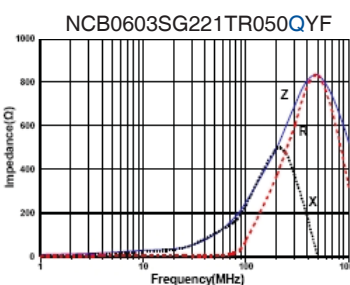
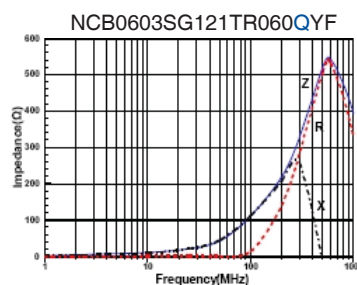
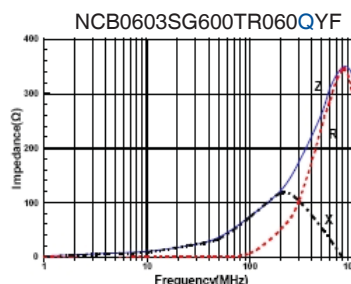
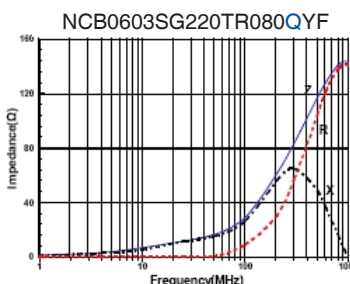
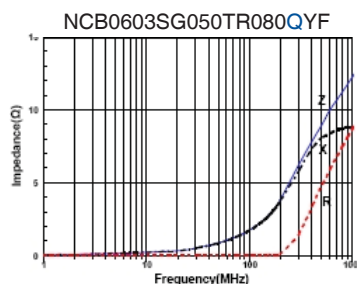
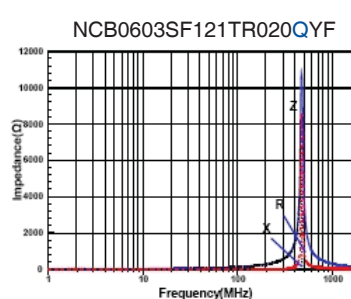
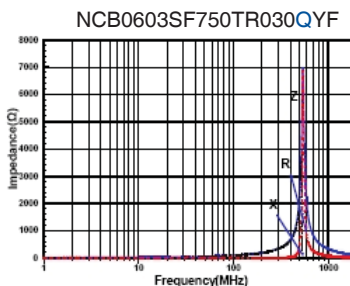
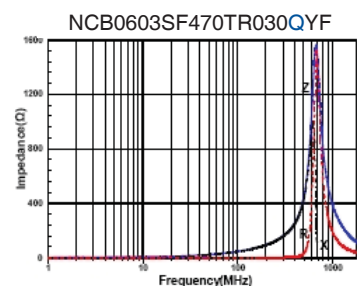
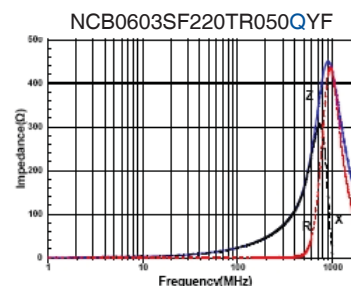
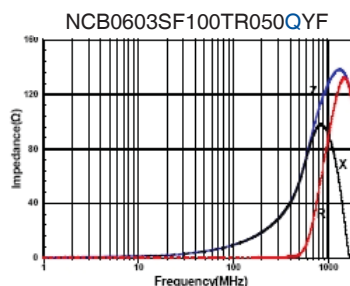
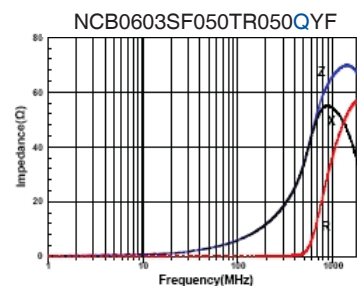


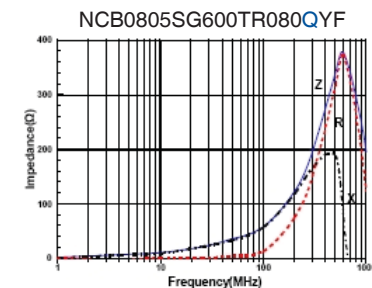
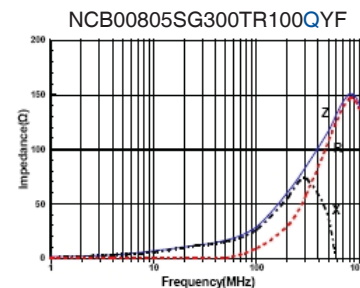
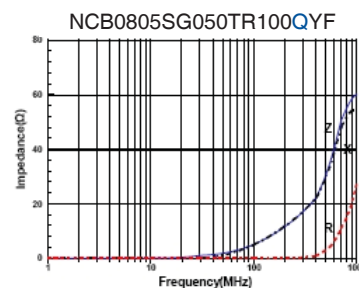
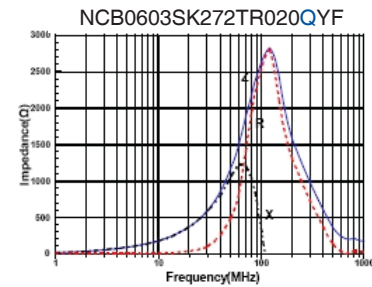
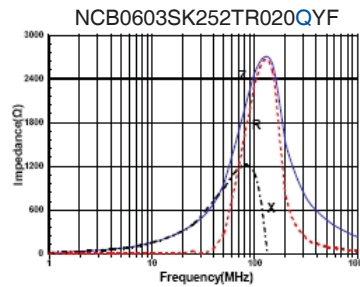
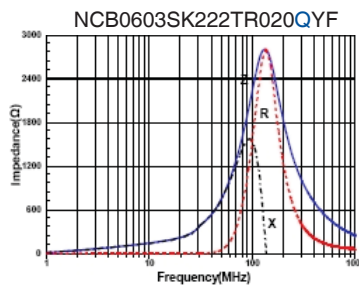
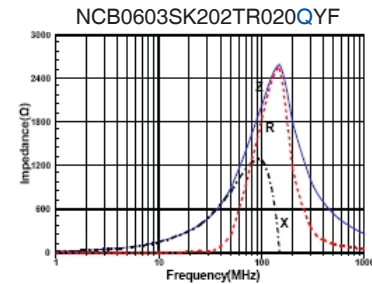
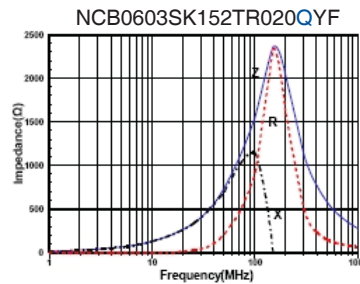
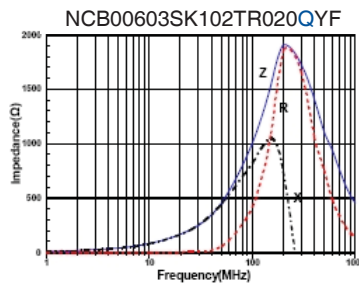
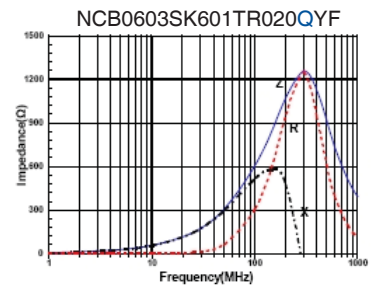
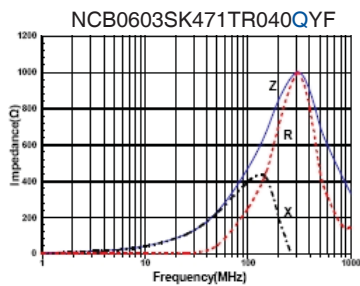
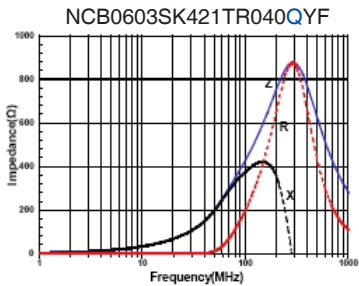
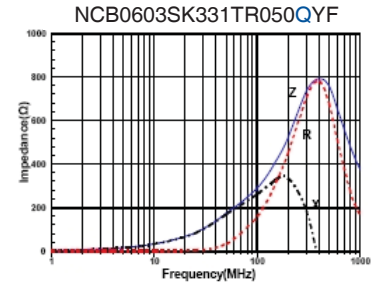
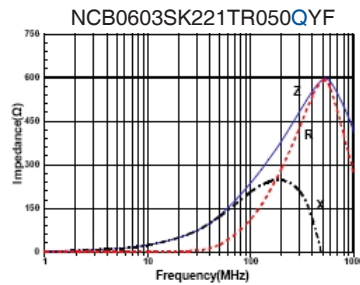
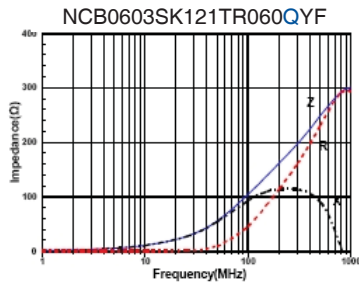


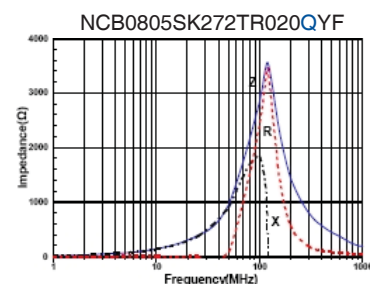
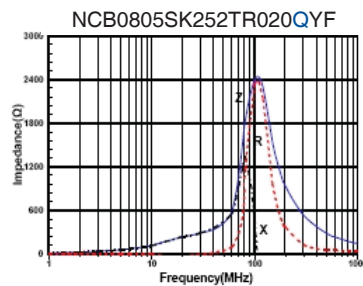
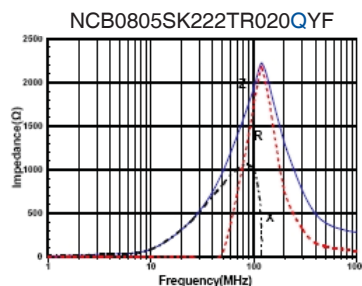
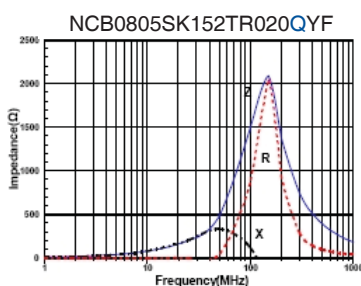
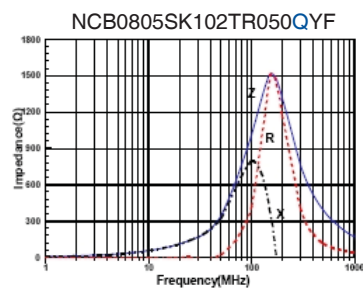
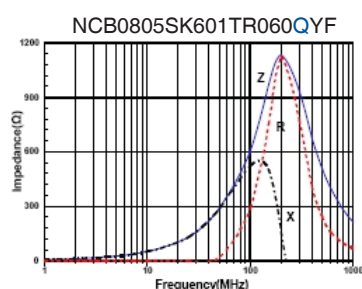
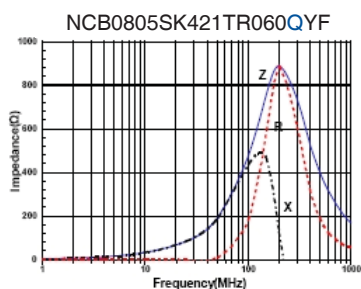
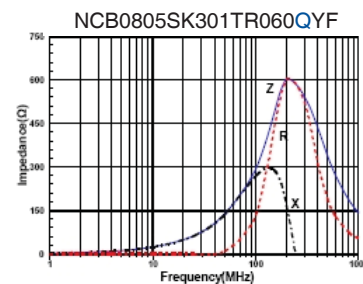
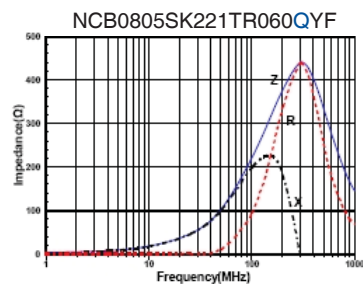
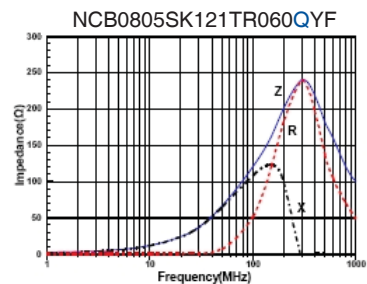
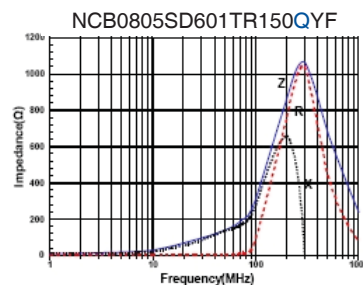
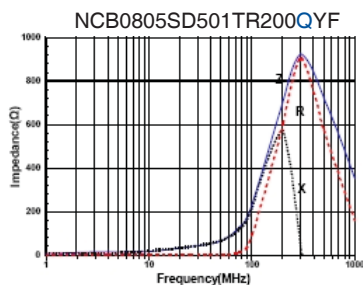
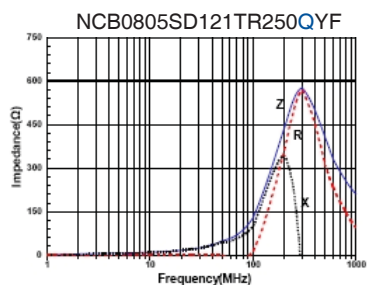


### STANDARD VALUES AND CASE SIZES (mm)

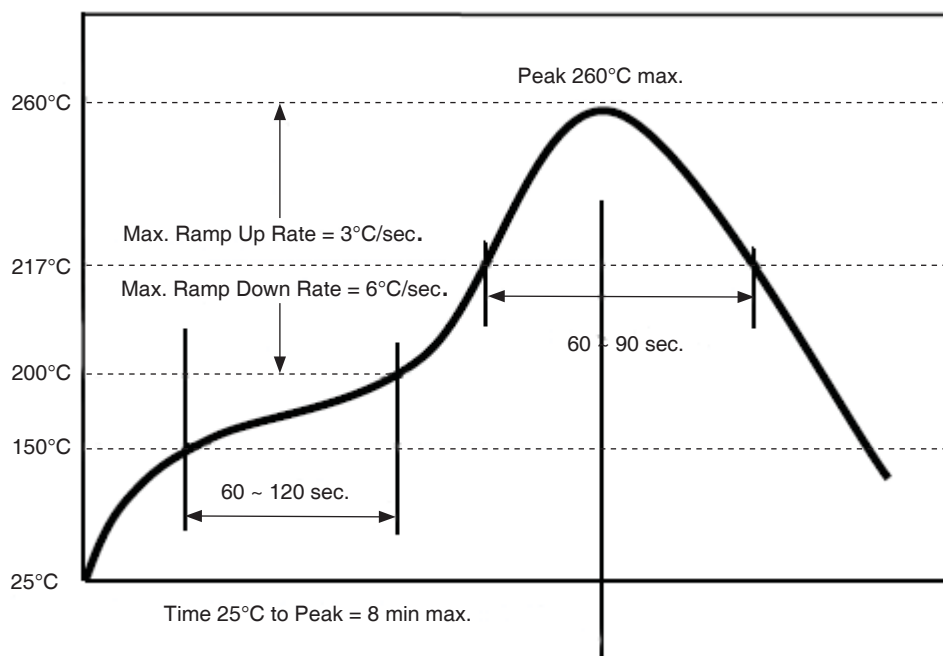
| EIA Size | NIC Part Number        | Impedance at 100MHz $\Omega$ | DC Resistance Max. ( $\Omega$ ) | DC Current Max. (mA) | A (mm)        | B (mm)      | C (mm)      | D (mm)      |
|----------|------------------------|------------------------------|---------------------------------|----------------------|---------------|-------------|-------------|-------------|
| 0603     | NCB0603SQYF050TR050QYF | 0 ~ 10                       | 0.20                            | 500                  | 1.60 ± 0.15   | 0.80 ± 0.15 | 0.80 ± 0.15 | 0.30 ± 0.20 |
|          | NCB0603SQYF100TR050QYF | 5 ~ 15                       | 0.25                            | 500                  |               |             |             |             |
|          | NCB0603SQYF220TR050QYF | 22 ± 25%                     | 0.35                            | 500                  |               |             |             |             |
|          | NCB0603SQYF470TR030QYF | 47 ± 25%                     | 0.55                            | 300                  |               |             |             |             |
|          | NCB0603SQYF750TR030QYF | 75 ± 25%                     | 0.70                            | 300                  |               |             |             |             |
|          | NCB0603SQYF121TR020QYF | 120 ± 25%                    | 0.90                            | 200                  |               |             |             |             |
|          | NCB0603SG050TR080QYF   | 0 ~ 15                       | 0.10                            | 800                  |               |             |             |             |
|          | NCB0603SG220TR080QYF   | 22 ± 25%                     | 0.20                            | 800                  |               |             |             |             |
|          | NCB0603SG600TR060QYF   | 60 ± 25%                     | 0.30                            | 600                  |               |             |             |             |
|          | NCB0603SG121TR060QYF   | 120 ± 25%                    | 0.45                            | 600                  |               |             |             |             |
|          | NCB0603SG221TR050QYF   | 220 ± 25%                    | 0.55                            | 500                  |               |             |             |             |
|          | NCB0603SG331TR050QYF   | 330 ± 25%                    | 0.70                            | 500                  |               |             |             |             |
|          | NCB0603SG471TR040QYF   | 470 ± 25%                    | 0.80                            | 400                  |               |             |             |             |
|          | NCB0603SG601TR020QYF   | 600 ± 25%                    | 1.10                            | 200                  |               |             |             |             |
|          | NCB0603SG102TR015QYF   | 1000 ± 25%                   | 1.20                            | 150                  |               |             |             |             |
|          | NCB0603SK221TR050QYF   | 220 ± 25%                    | 0.45                            | 500                  |               |             |             |             |
|          | NCB0603SK331TR050QYF   | 330 ± 25%                    | 0.50                            | 500                  |               |             |             |             |
|          | NCB0603SK421TR040QYF   | 420 ± 25%                    | 0.55                            | 400                  |               |             |             |             |
|          | NCB0603SK471TR040QYF   | 470 ± 25%                    | 0.55                            | 400                  |               |             |             |             |
|          | NCB0603SK601TR020QYF   | 600 ± 25%                    | 0.60                            | 200                  |               |             |             |             |
|          | NCB0603SK102TR020QYF   | 1000 ± 25%                   | 0.80                            | 200                  |               |             |             |             |
|          | NCB0603SK152TR020QYF   | 1500 ± 25%                   | 0.80                            | 200                  |               |             |             |             |
|          | NCB0603SK202TR020QYF   | 2000 ± 25%                   | 1.00                            | 200                  |               |             |             |             |
|          | NCB0603SK222TR020QYF   | 2200 ± 25%                   | 1.00                            | 200                  |               |             |             |             |
|          | NCB0603SK252TR020QYF   | 2500 ± 25%                   | 1.20                            | 200                  |               |             |             |             |
|          | NCB0603SK272TR020QYF   | 2700 ± 25%                   | 1.40                            | 200                  |               |             |             |             |
| 0805     | NCB0805SG050TR100QYF   | 0 ~ 15                       | 0.07                            | 1000                 | 2.0 +0.3/-0.1 | 1.25 ± 0.2  | 0.85 ± 0.2  | 0.5 ± 0.3   |
|          | NCB0805SG300TR100QYF   | 30 ± 25%                     | 0.10                            | 1000                 |               |             |             |             |
|          | NCB0805SG600TR080QYF   | 60 ± 25%                     | 0.20                            | 800                  |               |             |             |             |
|          | NCB0805SG121TR060QYF   | 120 ± 25%                    | 0.25                            | 600                  |               |             |             |             |
|          | NCB0805SG221TR060QYF   | 220 ± 25%                    | 0.30                            | 600                  |               |             |             |             |
|          | NCB0805SG301TR060QYF   | 300 ± 25%                    | 0.40                            | 600                  |               |             |             |             |
|          | NCB0805SG421TR060QYF   | 420 ± 25%                    | 0.40                            | 600                  |               |             |             |             |
|          | NCB0805SG601TR060QYF   | 600 ± 25%                    | 0.45                            | 600                  |               |             |             |             |
|          | NCB0805SG102TR050QYF   | 1000 ± 25%                   | 0.50                            | 500                  |               |             |             |             |
|          | NCB0805SK121TR060QYF   | 120 ± 25%                    | 0.20                            | 600                  |               |             |             |             |
|          | NCB0805SK221TR060QYF   | 220 ± 25%                    | 0.25                            | 600                  |               |             |             |             |
|          | NCB0805SK301TR060QYF   | 300 ± 25%                    | 0.30                            | 600                  |               |             |             |             |
|          | NCB0805SK421TR060QYF   | 420 ± 25%                    | 0.30                            | 600                  |               |             |             |             |
|          | NCB0805SK601TR060QYF   | 600 ± 25%                    | 0.35                            | 600                  |               |             |             |             |
|          | NCB0805SK102TR050QYF   | 1000 ± 25%                   | 0.40                            | 500                  |               |             |             |             |
|          | NCB0805SK152TR020QYF   | 1500 ± 25%                   | 0.45                            | 200                  |               |             |             |             |
|          | NCB0805SK222TR020QYF   | 2200 ± 25%                   | 0.60                            | 200                  |               |             |             |             |
|          | NCB0805SK252TR020QYF   | 2500 ± 25%                   | 0.70                            | 200                  |               |             |             |             |
|          | NCB0805SK272TR020QYF   | 2700 ± 25%                   | 0.80                            | 200                  |               |             |             |             |







## REFLOW SOLDERING PROFILE



## NCB LAND PATTERN DIMENSIONS (mm)

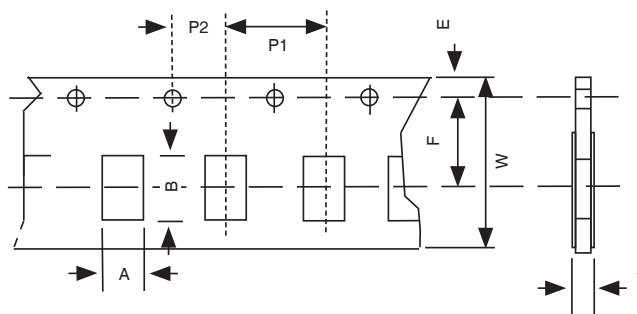
| Size | A           | B           | C           |
|------|-------------|-------------|-------------|
| 0603 | 0.60 ~ 0.80 | 0.60 ~ 0.80 | 0.60 ~ 0.80 |
| 0805 | 0.80 ~ 1.20 | 0.90 ~ 1.60 | 0.80 ~ 1.20 |
| 1206 | 1.00 ~ 1.50 | 1.20 ~ 2.00 | 1.80 ~ 2.50 |



## TAPE DIMENSIONS (mm)

| Dimensions | NCB0603_QYF    | NCB0805_QYF    |
|------------|----------------|----------------|
| A          | $1.00 \pm 0.2$ | $1.50 \pm 0.2$ |
| B          | $1.80 \pm 0.2$ | $2.30 \pm 0.2$ |
| T          | 1.10 max.      | 1.10 max.      |
| W          | $8.0 \pm 0.3$  |                |
| E          | $1.75 \pm 0.1$ |                |
| F          | $3.5 \pm 0.05$ |                |
| P1         | $4.0 \pm 0.1$  |                |
| P2         | $2.0 \pm 0.1$  |                |
| Chips/Reel | 4,000          | 4,000          |
| Fig.       | 1              | 1              |

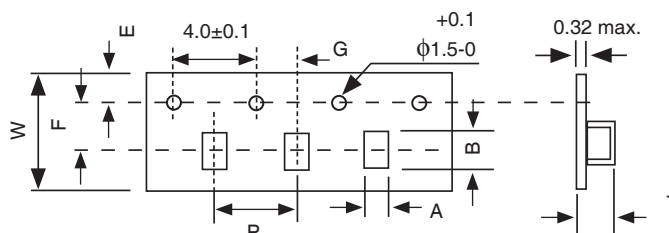
FIGURE 1 (PRESSED PAPER CARRIER)



## TAPE DIMENSIONS (mm)

| Dimensions | NCB1206P_QY    |
|------------|----------------|
| A          | $1.88 \pm 0.3$ |
| B          | $3.5 \pm 0.3$  |
| T          | 1.27 max.      |
| W          | $8.0 \pm 0.3$  |
| E          | $1.75 \pm 0.1$ |
| F          | $3.5 \pm 0.05$ |
| P          | $4.0 \pm 0.1$  |
| Chips/Reel | 3,000          |
| Fig.       | 2              |

FIGURE 2 (EMBOSSED PLASTIC CARRIER)



## REEL DIMENSIONS

| Case Size | REEL DIMENSIONS (mm) |              |              |                |                |
|-----------|----------------------|--------------|--------------|----------------|----------------|
|           | A                    | B            | C            | D              | E              |
| 0603      | $178 \pm 2.0$        | $58 \pm 2.0$ | $10 \pm 1.5$ | $13.5 \pm 0.2$ | $2.45 \pm 0.2$ |
| 0805      |                      |              |              |                |                |
| 1206      |                      |              |              |                |                |

