



# FIXED INDUCTORS

## FEATURES

- I Extremely reliable inductors that are ideal for automatic insertion.
- I Highly efficient automated production processes can provide high quality inductors in large volumes.
- I Wide selection of configurations including axial leaded, formed radial leads and bulk products to meet most manufacturing needs.



## APPLICATIONS

- I Consumer electronics such as VCRs, TVs, audio equipment, mobile communications, and general electronic appliances.



## ORDERING CODE

|  |  |
|--|--|
| $\frac{C \square CS - 101}{A \quad B \quad C} \quad \frac{K}{C}$ | <p>A : Type      C□ECS = 63mm Length,    C□NCS = 38mm Length</p> <p>B : Inductance For details please refer to the specification table.</p> <p>C : Tolerance    M : ± 20%      K : ± 10%      J : ± 5%</p> |
|--|--|

## DIMENSIONS (mm)

|  | MODEL | A max. | B max. | C±0.05 | LENGTH | Table |
|--|-------|--------|--------|--------|--------|-------|
|  | CESS  | 2.5    | 3.4    | 0.5    | 63±3   | P.85  |
|  | CNSS  |        |        |        | 38±2   |       |
|  | CECS  | 2.5    | 4.0    | 0.5    | 63±3   | P.86  |
|  | CNCS  |        |        |        | 38±2   |       |
|  | CEC   | 3.2    | 7.0    | 0.5    | 63±3   | P.87  |
|  | CNC   |        |        |        | 38±2   |       |
|  | CECL  | 4.0    | 9.8    | 0.6    | 63±3   | P.88  |
|  | CNCL  |        |        |        | 38±2   |       |
|  | CECD  | 4.0    | 11.0   | 0.6    | 63±3   | -     |
|  | CNCD  |        |        |        | 38±2   |       |
|  | CECR  | 4.0    | 12.0   | 0.6    | 63±3   | -     |
|  | CNCR  |        |        |        | 38±2   |       |

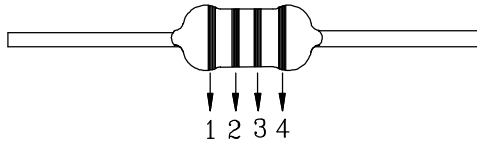
※ Specifications other than the above will be furnished upon request.



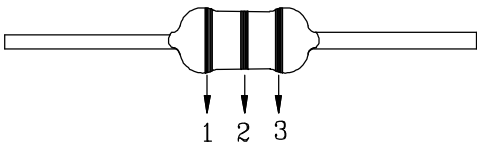
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## COLOUR CODE

(1) CECR, CECD, CEC, CECL, CNCL, CNCD, CNCR



(2) CECS, CESS, CNCS, CNSS



| COLOUR | 1<br>FIRST<br>FIGURE | 2<br>SECOND<br>FIGURE | 3<br>MULTIPLIER | 4<br>TOLERANCE |
|--------|----------------------|-----------------------|-----------------|----------------|
| Black  | 0                    | 0                     | 1               | $\pm 20\%$     |
| Brown  | 1                    | 1                     | 10              | -              |
| Red    | 2                    | 2                     | 100             | -              |
| Orange | 3                    | 3                     | 1000            | -              |
| Yellow | 4                    | 4                     | -               | -              |
| Green  | 5                    | 5                     | -               | -              |
| Blue   | 6                    | 6                     | -               | -              |
| Purple | 7                    | 7                     | -               | -              |
| Gray   | 8                    | 8                     | -               | -              |
| White  | 9                    | 9                     | -               | -              |
| Gold   | -                    | -                     | 0.1             | $\pm 5\%$      |
| Silver | -                    | -                     | 0.01            | $\pm 10\%$     |

## STRUCTURAL DIAGRAM

|  | Component              | Model   | Inductance Range  |
|--|------------------------|---|---|
|  | 1. Ferrite core        | CECR, CNCR                                      | Material : 0.10 $\mu$ H~47 $\mu$ H  |
|  |                        | CECL, CECD,<br>CNCL, CNCD                       | Material A : 1.0 $\mu$ H~10 $\mu$ H<br>Material B : 12 $\mu$ H~100 $\mu$ H<br>Material C : 120 $\mu$ H~3900 $\mu$ H     |
|  |                        | CNC, CEC  | Material B : 1.2 $\mu$ H~100 $\mu$ H<br>Material C : 120 $\mu$ H~1mH<br>Material A : 0.10 $\mu$ H~1.0 $\mu$ H           |
|  |                        | CECS, CESS,<br>CNCS, CNSS                       | Material B : 1.2 $\mu$ H ~100 $\mu$ H<br>Material C : 120 $\mu$ H ~330 $\mu$ H<br>Material A : 0.10 $\mu$ H~1.0 $\mu$ H |
|  | 2. Adhesive            | Epoxy resin                                     |   |
|  | 3. Lead wire           | Processed lead wire (Solder plated copper wire) |   |
|  | 4. Solder accumulation | Solder  |   |
|  | 5. Wire material       | Polyurethane-copper wire                        |   |
|  | 6. Under-coating resin | Butadiene resin                                 |   |
|  | 7. Over-coating resin  | Epoxy resin                                     |   |
|  | 8. Colour code         | Melamine resin                                  |   |

※Specifications other than the above will be furnished upon request.



# FIXED INDUCTORS

## TAPING DIMENSIONS (mm)

| MODEL | A  | B       | C  | D       | E - F   | G       |
|-------|--|---------|--|---------|---------|---------|
|       | CESS<br>CECS<br>CEC-<br>CECL<br>CECD<br>CECR<br>CNSS<br>CNCS<br>CNC-<br>CNCL<br>CNCD<br>CNCR | 5.0±0.5 | 3.2min.<br><br>3.0min.<br><br>3.2min.<br><br>3.0min. | 0.8max. | 6.0±1.0 | 1.0max. |

## FDF

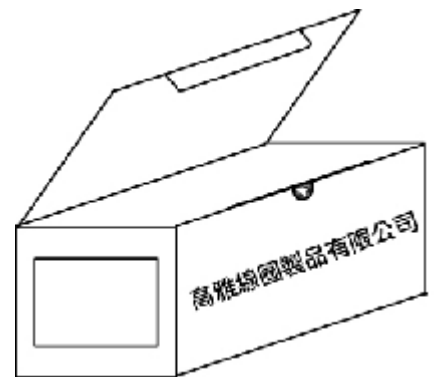
| SYMBOL         | DIMENSION         | SYMBOL         | DIMENSION |
|----------------|-------------------|----------------|-----------|
|                |                   |                |           |
| P <sub>0</sub> | 12.7±0.3          | t              | 0.6±0.3   |
| P <sub>1</sub> | 3.85±0.7          | t <sub>1</sub> | 1.5 max.  |
| F              | 5.0 +0.8<br>-0.2  | Δh             | 0±2       |
| W              | 18.0 +1.0<br>-0.5 | L              | 11.0 max. |
| W <sub>0</sub> | 12.5 min.         | d              | Ref.      |
| W <sub>1</sub> | 9.0±0.5           | H              | 28.5 max. |
| W <sub>2</sub> | 3.0 max.          | H <sub>1</sub> | 16.0±0.5  |
| L              | 11.0 max.         |                |           |

## PACKING

**Ammunition packing:**  
A = Standard size



**Ammunition packing:**  
B = Smallest size



|          | H     | L     | J    | CECL,CECD ,CECR | CEC,CECS,CESS | CNCL,CNCD,CNCR | CNC,CNCS,CNS<br>S |
|----------|-------|-------|------|-----------------|---------------|----------------|-------------------|
| <b>A</b> | 70±5  | 255±5 | 70±5 | 1000pcs / Box   | 2000pcs / Box | -              | -                 |
| <b>B</b> | 100±5 | 255±5 | 55±5 | -               | -             | 2500pcs/Box    | 4000pcs/Box       |

※Specifications other than the above will be furnished upon request.



# FIXED INDUCTORS

Specification table of Fixed Inductors C□SS

| Model     | Inductance (μH) | Q (Min) | DCR W (Max) | DCI mA (Max) | SRF MHz (Min) | Measuring Frequency |
|-----------|-----------------|---------|-------------|--------------|---------------|---------------------|
| C□SS-R10□ | 0.10            | 40      | 0.070       | 1050         | 380           | 25.2MHz             |
| C□SS-R12□ | 0.12            | 40      | 0.075       | 920          | 380           | 25.2MHz             |
| C□SS-R15□ | 0.15            | 40      | 0.080       | 910          | 380           | 25.2MHz             |
| C□SS-R18□ | 0.18            | 40      | 0.085       | 700          | 380           | 25.2MHz             |
| C□SS-R22□ | 0.22            | 40      | 0.095       | 680          | 380           | 25.2MHz             |
| C□SS-R27□ | 0.27            | 40      | 0.11        | 620          | 380           | 25.2MHz             |
| C□SS-R33□ | 0.33            | 40      | 0.12        | 600          | 315           | 25.2MHz             |
| C□SS-R39□ | 0.39            | 40      | 0.19        | 560          | 310           | 25.2MHz             |
| C□SS-R47□ | 0.47            | 40      | 0.20        | 520          | 310           | 25.2MHz             |
| C□SS-R56□ | 0.56            | 40      | 0.22        | 500          | 270           | 25.2MHz             |
| C□SS-R68□ | 0.68            | 40      | 0.25        | 465          | 250           | 25.2MHz             |
| C□SS-R82□ | 0.82            | 40      | 0.28        | 450          | 200           | 25.2MHz             |
| C□SS-1R0□ | 1.0             | 40      | 0.29        | 425          | 180           | 25.2MHz             |
| C□SS-1R2□ | 1.2             | 40      | 0.30        | 420          | 180           | 7.96MHz             |
| C□SS-1R5□ | 1.5             | 40      | 0.33        | 390          | 130           | 7.96MHz             |
| C□SS-1R8□ | 1.8             | 40      | 0.35        | 350          | 100           | 7.96MHz             |
| C□SS-2R2□ | 2.2             | 40      | 0.39        | 340          | 75            | 7.96MHz             |
| C□SS-2R7□ | 2.7             | 40      | 0.45        | 320          | 55            | 7.96MHz             |
| C□SS-3R3□ | 3.3             | 40      | 0.64        | 280          | 48            | 7.96MHz             |
| C□SS-3R9□ | 3.9             | 40      | 0.65        | 260          | 38            | 7.96MHz             |
| C□SS-4R7□ | 4.7             | 45      | 0.94        | 215          | 38            | 7.96MHz             |
| C□SS-5R6□ | 5.6             | 45      | 1.02        | 210          | 32            | 7.96MHz             |
| C□SS-6R8□ | 6.8             | 45      | 1.19        | 190          | 26            | 7.96MHz             |
| C□SS-8R2□ | 8.2             | 45      | 1.72        | 180          | 25            | 7.96MHz             |
| C□SS-100□ | 10              | 45      | 1.88        | 170          | 22            | 7.96MHz             |
| C□SS-120□ | 12              | 50      | 1.96        | 165          | 20            | 2.52MHz             |
| C□SS-150□ | 15              | 50      | 2.13        | 160          | 17            | 2.52MHz             |
| C□SS-180□ | 18              | 50      | 2.46        | 145          | 16            | 2.52MHz             |
| C□SS-220□ | 22              | 50      | 2.97        | 125          | 15            | 2.52MHz             |
| C□SS-270□ | 27              | 50      | 3.38        | 115          | 14            | 2.52MHz             |
| C□SS-330□ | 33              | 40      | 3.66        | 110          | 12            | 2.52MHz             |
| C□SS-390□ | 39              | 40      | 4.02        | 90           | 11            | 2.52MHz             |
| C□SS-470□ | 47              | 40      | 6.16        | 85           | 9.0           | 2.52MHz             |
| C□SS-560□ | 56              | 40      | 7.04        | 80           | 8.5           | 2.52MHz             |
| C□SS-680□ | 68              | 40      | 7.69        | 75           | 8.0           | 2.52MHz             |
| C□SS-820□ | 82              | 40      | 8.68        | 70           | 7.0           | 2.52MHz             |
| C□SS-101□ | 100             | 40      | 15.44       | 50           | 6.0           | 2.52MHz             |
| C□SS-121□ | 120             | 35      | 17.63       | 50           | 6.0           | 0.796MHz            |
| C□SS-151□ | 150             | 35      | 19.90       | 50           | 5.0           | 0.796MHz            |
| C□SS-181□ | 180             | 35      | 20.89       | 45           | 4.5           | 0.796MHz            |
| C□SS-221□ | 220             | 35      | 23.19       | 40           | 4.5           | 0.796MHz            |
| C□SS-271□ | 270             | 35      | 26.88       | 40           | 4.0           | 0.796MHz            |
| C□SS-331□ | 330             | 35      | 32.13       | 40           | 4.0           | 0.796MHz            |

※Specifications other than the above will be furnished upon request.



# FIXED INDUCTORS

Specification table of Fixed Inductors C□CS

| Model     | Inductance (μH) | Q (Min) | DCR W (Max) | DCI mA (Max) | SRF MHz (Min) | Measuring Frequency |
|-----------|-----------------|---------|-------------|--------------|---------------|---------------------|
| C□CS-R10□ | 0.10            | 40      | 0.070       | 1050         | 380           | 25.2MHz             |
| C□CS-R12□ | 0.12            | 40      | 0.075       | 920          | 380           | 25.2MHz             |
| C□CS-R15□ | 0.15            | 40      | 0.080       | 910          | 380           | 25.2MHz             |
| C□CS-R18□ | 0.18            | 40      | 0.085       | 700          | 380           | 25.2MHz             |
| C□CS-R22□ | 0.22            | 40      | 0.095       | 680          | 380           | 25.2MHz             |
| C□CS-R27□ | 0.27            | 40      | 0.11        | 620          | 380           | 25.2MHz             |
| C□CS-R33□ | 0.33            | 40      | 0.12        | 600          | 315           | 25.2MHz             |
| C□CS-R39□ | 0.39            | 40      | 0.19        | 560          | 310           | 25.2MHz             |
| C□CS-R47□ | 0.47            | 40      | 0.20        | 520          | 310           | 25.2MHz             |
| C□CS-R56□ | 0.56            | 40      | 0.22        | 500          | 270           | 25.2MHz             |
| C□CS-R68□ | 0.68            | 40      | 0.25        | 465          | 250           | 25.2MHz             |
| C□CS-R82□ | 0.82            | 40      | 0.28        | 450          | 200           | 25.2MHz             |
| C□CS-1R0□ | 1.0             | 40      | 0.29        | 425          | 180           | 25.2MHz             |
| C□CS-1R2□ | 1.2             | 40      | 0.30        | 420          | 180           | 7.96MHz             |
| C□CS-1R5□ | 1.5             | 40      | 0.33        | 390          | 130           | 7.96MHz             |
| C□CS-1R8□ | 1.8             | 40      | 0.35        | 350          | 100           | 7.96MHz             |
| C□CS-2R2□ | 2.2             | 40      | 0.39        | 340          | 75            | 7.96MHz             |
| C□CS-2R7□ | 2.7             | 40      | 0.45        | 320          | 55            | 7.96MHz             |
| C□CS-3R3□ | 3.3             | 40      | 0.64        | 280          | 48            | 7.96MHz             |
| C□CS-3R9□ | 3.9             | 40      | 0.65        | 260          | 38            | 7.96MHz             |
| C□CS-4R7□ | 4.7             | 45      | 0.94        | 215          | 38            | 7.96MHz             |
| C□CS-5R6□ | 5.6             | 45      | 1.02        | 210          | 32            | 7.96MHz             |
| C□CS-6R8□ | 6.8             | 45      | 1.19        | 190          | 26            | 7.96MHz             |
| C□CS-8R2□ | 8.2             | 45      | 1.72        | 180          | 25            | 7.96MHz             |
| C□CS-100□ | 10              | 45      | 1.88        | 170          | 22            | 7.96MHz             |
| C□CS-120□ | 12              | 50      | 1.96        | 165          | 20            | 2.52MHz             |
| C□CS-150□ | 15              | 50      | 2.13        | 160          | 17            | 2.52MHz             |
| C□CS-180□ | 18              | 50      | 2.46        | 145          | 16            | 2.52MHz             |
| C□CS-220□ | 22              | 50      | 2.97        | 125          | 15            | 2.52MHz             |
| C□CS-270□ | 27              | 50      | 3.38        | 115          | 14            | 2.52MHz             |
| C□CS-330□ | 33              | 40      | 3.66        | 110          | 12            | 2.52MHz             |
| C□CS-390□ | 39              | 40      | 4.02        | 90           | 11            | 2.52MHz             |
| C□CS-470□ | 47              | 40      | 6.16        | 85           | 9.0           | 2.52MHz             |
| C□CS-560□ | 56              | 40      | 7.04        | 80           | 8.5           | 2.52MHz             |
| C□CS-680□ | 68              | 40      | 7.69        | 75           | 8.0           | 2.52MHz             |
| C□CS-820□ | 82              | 40      | 8.68        | 70           | 7.0           | 2.52MHz             |
| C□CS-101□ | 100             | 40      | 15.44       | 50           | 6.0           | 2.52MHz             |
| C□CS-121□ | 120             | 35      | 17.63       | 50           | 6.0           | 0.796MHz            |
| C□CS-151□ | 150             | 35      | 19.90       | 50           | 5.0           | 0.796MHz            |
| C□CS-181□ | 180             | 35      | 20.89       | 45           | 4.5           | 0.796MHz            |
| C□CS-221□ | 220             | 35      | 23.19       | 40           | 4.5           | 0.796MHz            |
| C□CS-271□ | 270             | 35      | 26.88       | 40           | 4.0           | 0.796MHz            |
| C□CS-331□ | 330             | 35      | 32.13       | 40           | 4.0           | 0.796MHz            |

※Specifications other than the above will be furnished upon request.



# FIXED INDUCTORS

## Specification table of Fixed Inductors C□C

| Model    | Inductance (μH) | Q (Min) | DCR W (Max) | DCI mA (Max) | SRF MHz (Min) | Measuring Frequency |
|----------|-----------------|---------|-------------|--------------|---------------|---------------------|
| C□C-R10□ | 0.10            | 60      | 0.070       | 1180         | 220           | 25.2MHz             |
| C□C-R12□ | 0.12            | 60      | 0.080       | 1022         | 200           | 25.2MHz             |
| C□C-R15□ | 0.15            | 50      | 0.085       | 910          | 185           | 25.2MHz             |
| C□C-R18□ | 0.18            | 50      | 0.090       | 780          | 180           | 25.2MHz             |
| C□C-R22□ | 0.22            | 50      | 0.103       | 750          | 170           | 25.2MHz             |
| C□C-R27□ | 0.27            | 50      | 0.11        | 700          | 165           | 25.2MHz             |
| C□C-R33□ | 0.33            | 50      | 0.12        | 680          | 160           | 25.2MHz             |
| C□C-R39□ | 0.39            | 50      | 0.13        | 650          | 155           | 25.2MHz             |
| C□C-R47□ | 0.47            | 50      | 0.14        | 640          | 150           | 25.2MHz             |
| C□C-R56□ | 0.56            | 50      | 0.15        | 630          | 150           | 25.2MHz             |
| C□C-R68□ | 0.68            | 50      | 0.17        | 620          | 150           | 25.2MHz             |
| C□C-R82□ | 0.82            | 50      | 0.19        | 610          | 150           | 25.2MHz             |
| C□C-1R0□ | 1.0             | 50      | 0.22        | 590          | 150           | 25.2MHz             |
| C□C-1R2□ | 1.2             | 50      | 0.23        | 570          | 145           | 7.96MHz             |
| C□C-1R5□ | 1.5             | 50      | 0.25        | 565          | 140           | 7.96MHz             |
| C□C-1R8□ | 1.8             | 50      | 0.27        | 555          | 138           | 7.96MHz             |
| C□C-2R2□ | 2.2             | 50      | 0.30        | 515          | 110           | 7.96MHz             |
| C□C-2R7□ | 2.7             | 50      | 0.33        | 505          | 100           | 7.96MHz             |
| C□C-3R3□ | 3.3             | 50      | 0.50        | 365          | 100           | 7.96MHz             |
| C□C-3R9□ | 3.9             | 50      | 0.59        | 350          | 90            | 7.96MHz             |
| C□C-4R7□ | 4.7             | 60      | 1.12        | 260          | 84            | 7.96MHz             |
| C□C-5R6□ | 5.6             | 60      | 1.16        | 235          | 65            | 7.96MHz             |
| C□C-6R8□ | 6.8             | 60      | 1.29        | 230          | 60            | 7.96MHz             |
| C□C-8R2□ | 8.2             | 60      | 1.39        | 215          | 58            | 7.96MHz             |
| C□C-100□ | 10              | 60      | 1.56        | 210          | 28.7          | 7.96MHz             |
| C□C-120□ | 12              | 50      | 1.64        | 200          | 18.9          | 2.52MHz             |
| C□C-150□ | 15              | 50      | 1.85        | 190          | 16.8          | 2.52MHz             |
| C□C-180□ | 18              | 50      | 1.94        | 185          | 12.8          | 2.52MHz             |
| C□C-220□ | 22              | 50      | 2.24        | 160          | 10.4          | 2.52MHz             |
| C□C-270□ | 27              | 50      | 2.39        | 155          | 10.2          | 2.52MHz             |
| C□C-330□ | 33              | 50      | 2.71        | 150          | 8.4           | 2.52MHz             |
| C□C-390□ | 39              | 50      | 3.00        | 145          | 7.4           | 2.52MHz             |
| C□C-470□ | 47              | 50      | 3.19        | 135          | 6.9           | 2.52MHz             |
| C□C-560□ | 56              | 50      | 3.72        | 135          | 6.6           | 2.52MHz             |
| C□C-680□ | 68              | 50      | 3.92        | 125          | 6.1           | 2.52MHz             |
| C□C-820□ | 82              | 45      | 4.39        | 125          | 5.4           | 2.52MHz             |
| C□C-101□ | 100             | 45      | 4.72        | 110          | 5.0           | 2.52MHz             |
| C□C-121□ | 120             | 45      | 4.94        | 110          | 4.3           | 0.796MHz            |
| C□C-151□ | 150             | 45      | 5.51        | 100          | 4.3           | 0.796MHz            |
| C□C-181□ | 180             | 45      | 8.28        | 95           | 3.4           | 0.796MHz            |
| C□C-221□ | 220             | 45      | 8.94        | 90           | 3.3           | 0.796MHz            |
| C□C-271□ | 270             | 45      | 10.3        | 85           | 2.9           | 0.796MHz            |
| C□C-331□ | 330             | 45      | 11.3        | 75           | 2.7           | 0.796MHz            |
| C□C-391□ | 390             | 45      | 17.2        | 60           | 2.3           | 0.796MHz            |
| C□C-471□ | 470             | 45      | 19.2        | 55           | 2.2           | 0.796MHz            |
| C□C-561□ | 560             | 45      | 20.9        | 55           | 2.1           | 0.796MHz            |
| C□C-681□ | 680             | 45      | 23.7        | 50           | 1.9           | 0.796MHz            |
| C□C-821□ | 820             | 45      | 26.6        | 45           | 1.7           | 0.796MHz            |
| C□C-102□ | 1000            | 45      | 28.2        | 45           | 1.5           | 0.796MHz            |

※ Specifications other than the above will be furnished upon request.



# FIXED INDUCTORS

Specification table of Fixed Inductors C□CL

| Model     | Inductance (μH) | Q (Min) | DCR Ω (Max) | Rated Current mA (Max) | SRF MHz (Min) | Measuring Frequency |
|-----------|-----------------|---------|-------------|------------------------|---------------|---------------------|
| C□CL-1R0□ | 1.0             | 45      | 0.18        | 800                    | 93            | 7.96MHz             |
| C□CL-1R2□ | 1.2             | 50      | 0.20        | 730                    | 86            | 7.96MHz             |
| C□CL-1R5□ | 1.5             | 50      | 0.22        | 700                    | 80            | 7.96MHz             |
| C□CL-1R8□ | 1.8             | 55      | 0.24        | 670                    | 75            | 7.96MHz             |
| C□CL-2R2□ | 2.2             | 55      | 0.27        | 660                    | 70            | 7.96MHz             |
| C□CL-2R7□ | 2.7             | 55      | 0.30        | 650                    | 67            | 7.96MHz             |
| C□CL-3R3□ | 3.3             | 60      | 0.34        | 600                    | 63            | 7.96MHz             |
| C□CL-3R9□ | 3.9             | 60      | 0.36        | 570                    | 43            | 7.96MHz             |
| C□CL-4R7□ | 4.7             | 60      | 0.38        | 550                    | 37            | 7.96MHz             |
| C□CL-5R6□ | 5.6             | 60      | 0.40        | 520                    | 32            | 7.96MHz             |
| C□CL-6R8□ | 6.8             | 60      | 0.45        | 500                    | 25            | 7.96MHz             |
| C□CL-8R2□ | 8.2             | 60      | 0.50        | 460                    | 16            | 7.96MHz             |
| C□CL-100□ | 10              | 60      | 0.60        | 450                    | 14            | 7.96MHz             |
| C□CL-120□ | 12              | 50      | 0.65        | 380                    | 12            | 2.52MHz             |
| C□CL-150□ | 15              | 50      | 0.74        | 340                    | 11            | 2.52MHz             |
| C□CL-180□ | 18              | 50      | 0.80        | 320                    | 8.5           | 2.52MHz             |
| C□CL-220□ | 22              | 50      | 0.85        | 310                    | 6.5           | 2.52MHz             |
| C□CL-270□ | 27              | 45      | 0.95        | 290                    | 4.8           | 2.52MHz             |
| C□CL-330□ | 33              | 45      | 1.10        | 280                    | 4.4           | 2.52MHz             |
| C□CL-390□ | 39              | 45      | 1.90        | 220                    | 4.3           | 2.52MHz             |
| C□CL-470□ | 47              | 45      | 2.10        | 210                    | 4.2           | 2.52MHz             |
| C□CL-560□ | 56              | 40      | 2.30        | 200                    | 4.1           | 2.52MHz             |
| C□CL-680□ | 68              | 40      | 2.50        | 190                    | 3.8           | 2.52MHz             |
| C□CL-820□ | 82              | 40      | 2.70        | 180                    | 3.5           | 2.52MHz             |
| C□CL-101□ | 100             | 40      | 3.40        | 160                    | 3.2           | 2.52MHz             |
| C□CL-121□ | 120             | 50      | 4.70        | 150                    | 2.5           | 0.796MHz            |
| C□CL-151□ | 150             | 50      | 5.00        | 130                    | 2.3           | 0.796MHz            |
| C□CL-181□ | 180             | 50      | 5.70        | 130                    | 2.2           | 0.796MHz            |
| C□CL-221□ | 220             | 50      | 6.20        | 120                    | 2.0           | 0.796MHz            |
| C□CL-271□ | 270             | 50      | 7.10        | 120                    | 1.8           | 0.796MHz            |
| C□CL-331□ | 330             | 50      | 7.70        | 110                    | 1.7           | 0.796MHz            |
| C□CL-391□ | 390             | 50      | 10.50       | 100                    | 1.6           | 0.796MHz            |
| C□CL-471□ | 470             | 50      | 11.90       | 90                     | 1.5           | 0.796MHz            |
| C□CL-561□ | 560             | 50      | 13.30       | 90                     | 1.4           | 0.796MHz            |
| C□CL-681□ | 680             | 45      | 15.00       | 80                     | 1.3           | 0.796MHz            |
| C□CL-821□ | 820             | 45      | 20.00       | 60                     | 1.2           | 0.796MHz            |
| C□CL-102□ | 1000            | 45      | 21.00       | 60                     | 0.90          | 0.796MHz            |
| C□CL-122□ | 1200            | 40      | 32.00       | 55                     | 0.82          | 0.252MHz            |
| C□CL-152□ | 1500            | 40      | 45.00       | 45                     | 0.76          | 0.252MHz            |
| C□CL-182□ | 1800            | 40      | 50.00       | 40                     | 0.68          | 0.252MHz            |
| C□CL-222□ | 2200            | 35      | 54.00       | 40                     | 0.52          | 0.252MHz            |
| C□CL-272□ | 2700            | 35      | 61.00       | 35                     | 0.40          | 0.252MHz            |
| C□CL-332□ | 3300            | 35      | 69.00       | 35                     | 0.28          | 0.252MHz            |
| C□CL-392□ | 3900            | 35      | 74.00       | 30                     | 0.12          | 0.252MHz            |

※Specifications other than the above will be furnished upon request.