

## CONDENSATEURS CERAMIQUE MOULES CLASSE 2

## MOLDED CERAMIC CAPACITORS CLASS 2

**RoHS = W**  
Voir / See Page 9

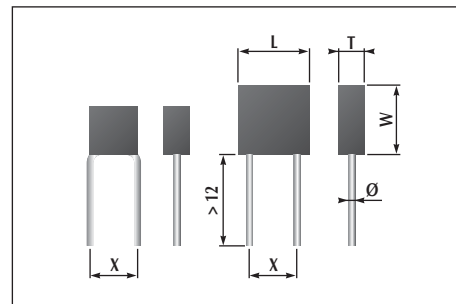
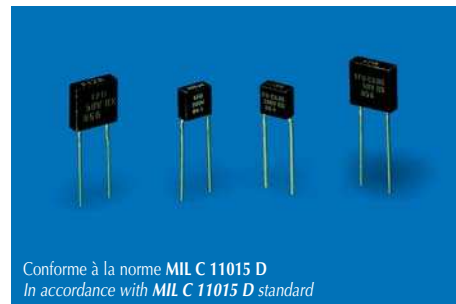
**CK 05 - CK 06**  
**TCN 15 - TCN 16**

| Modèle normalisé / Standard model         |      |     |                 |      |     |     | Code des valeurs de C <sub>R</sub><br>Capacitance value coded | Tolérances sur capacité<br>Tolérance on capacitance |
|-------------------------------------------|------|-----|-----------------|------|-----|-----|---------------------------------------------------------------|-----------------------------------------------------|
| CK 05 - CN 15                             |      |     | CK 06 - CN 16   |      |     |     |                                                               |                                                     |
| Appellation commerciale / Commercial type |      |     |                 |      |     |     |                                                               |                                                     |
| CK 05* - TCN 15                           |      |     | CK 06* - TCN 16 |      |     |     |                                                               |                                                     |
| Boîtier / Case                            |      |     |                 |      |     |     |                                                               |                                                     |
| B1X                                       |      |     | B1X             |      |     |     |                                                               |                                                     |
| Dimensions / Dimensions (mm)              |      |     |                 |      |     |     |                                                               |                                                     |
| L ± 0,2                                   | 4,8  |     |                 | 7,4  |     |     |                                                               |                                                     |
| W ± 0,2                                   | 4,8  |     |                 | 7,4  |     |     |                                                               |                                                     |
| T ± 0,2                                   | 2,3  |     |                 | 2,3  |     |     |                                                               |                                                     |
| X ± 0,2                                   | 5,08 |     |                 | 5,08 |     |     |                                                               |                                                     |
| Ø -0,05 + 10%                             | 0,6  |     |                 | 0,6  |     |     |                                                               |                                                     |
| Tension nominale / Rated voltage          |      |     |                 |      |     |     |                                                               |                                                     |
| U <sub>RC</sub> (V)                       | 50   | 100 | 200             | 50   | 100 | 200 | E6                                                            | E12                                                 |
| 10 pF                                     |      |     |                 |      |     |     | 100                                                           |                                                     |
| 12                                        |      |     |                 |      |     |     | 120                                                           |                                                     |
| 15                                        |      |     |                 |      |     |     | 150                                                           |                                                     |
| 18                                        |      |     |                 |      |     |     | 180                                                           |                                                     |
| 22                                        |      |     |                 |      |     |     | 220                                                           |                                                     |
| 27                                        |      |     |                 |      |     |     | 270                                                           |                                                     |
| 33                                        |      |     |                 |      |     |     | 330                                                           |                                                     |
| 39                                        |      |     |                 |      |     |     | 390                                                           |                                                     |
| 47                                        |      |     |                 |      |     |     | 470                                                           |                                                     |
| 56                                        |      |     |                 |      |     |     | 560                                                           |                                                     |
| 68                                        |      |     |                 |      |     |     | 680                                                           |                                                     |
| 82                                        |      |     |                 |      |     |     | 820                                                           |                                                     |
| 100                                       |      |     |                 |      |     |     | 101                                                           |                                                     |
| 120                                       |      |     |                 |      |     |     | 121                                                           |                                                     |
| 150                                       |      |     |                 |      |     |     | 151                                                           |                                                     |
| 180                                       |      |     |                 |      |     |     | 181                                                           |                                                     |
| 220                                       |      |     |                 |      |     |     | 221                                                           |                                                     |
| 270                                       |      |     |                 |      |     |     | 271                                                           |                                                     |
| 330                                       |      |     |                 |      |     |     | 331                                                           |                                                     |
| 390                                       |      |     |                 |      |     |     | 391                                                           |                                                     |
| 470                                       |      |     |                 |      |     |     | 471                                                           |                                                     |
| 560                                       |      |     |                 |      |     |     | 561                                                           |                                                     |
| 680                                       |      |     |                 |      |     |     | 681                                                           |                                                     |
| 820                                       |      |     |                 |      |     |     | 821                                                           |                                                     |
| 1000                                      |      |     |                 |      |     |     | 102                                                           |                                                     |
| 1200                                      |      |     |                 |      |     |     | 122                                                           |                                                     |
| 1500                                      |      |     |                 |      |     |     | 152                                                           |                                                     |
| 1800                                      |      |     |                 |      |     |     | 182                                                           |                                                     |
| 2200                                      |      |     |                 |      |     |     | 222                                                           |                                                     |
| 2700                                      |      |     |                 |      |     |     | 272                                                           |                                                     |
| 3300                                      |      |     |                 |      |     |     | 332                                                           |                                                     |
| 3900                                      |      |     |                 |      |     |     | 392                                                           |                                                     |
| 4700                                      |      |     |                 |      |     |     | 472                                                           |                                                     |
| 5600                                      |      |     |                 |      |     |     | 562                                                           |                                                     |
| 6800                                      |      |     |                 |      |     |     | 682                                                           |                                                     |
| 8200                                      |      |     |                 |      |     |     | 822                                                           |                                                     |
| 10                                        |      |     |                 |      |     |     | 103                                                           |                                                     |
| 12                                        |      |     |                 |      |     |     | 123                                                           |                                                     |
| 15                                        |      |     |                 |      |     |     | 153                                                           |                                                     |
| 18                                        |      |     |                 |      |     |     | 183                                                           |                                                     |
| 22                                        |      |     |                 |      |     |     | 223                                                           |                                                     |
| 27                                        |      |     |                 |      |     |     | 273                                                           |                                                     |
| 33                                        |      |     |                 |      |     |     | 333                                                           |                                                     |
| 39                                        |      |     |                 |      |     |     | 393                                                           |                                                     |
| 47                                        |      |     |                 |      |     |     | 473                                                           |                                                     |
| 56                                        |      |     |                 |      |     |     | 563                                                           |                                                     |
| 68                                        |      |     |                 |      |     |     | 683                                                           |                                                     |
| 82                                        |      |     |                 |      |     |     | 823                                                           |                                                     |
| 100                                       |      |     |                 |      |     |     | 104                                                           |                                                     |
| 120                                       |      |     |                 |      |     |     | 124                                                           |                                                     |
| 150                                       |      |     |                 |      |     |     | 154                                                           |                                                     |
| 180                                       |      |     |                 |      |     |     | 184                                                           |                                                     |
| 220                                       |      |     |                 |      |     |     | 224                                                           |                                                     |
| 270                                       |      |     |                 |      |     |     | 274                                                           |                                                     |
| 330                                       |      |     |                 |      |     |     | 334                                                           |                                                     |
| 390                                       |      |     |                 |      |     |     | 394                                                           |                                                     |
| 470                                       |      |     |                 |      |     |     | 474                                                           |                                                     |
| 560                                       |      |     |                 |      |     |     | 564                                                           |                                                     |
| 680                                       |      |     |                 |      |     |     | 684                                                           |                                                     |
| 820                                       |      |     |                 |      |     |     | 824                                                           |                                                     |
| 1 µF                                      |      |     |                 |      |     |     | 105                                                           |                                                     |

\* CKR 05 - CKR 06 : sur demande, modèle à haute fiabilité / on request, high reliability types.

## Exemple de codification à la commande / How to order

|                                                         |                                                   |   |                                |                                                                     |                                                                        |   |   |
|---------------------------------------------------------|---------------------------------------------------|---|--------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------|---|---|
| Option :<br>Modèle fiabilisé<br><i>Reliability type</i> | W : RoHS<br><i>W : RoHS</i>                       |   | Capacité<br><i>Capacitance</i> | Tension nominale<br><i>Rated voltage</i>                            | Niveau de fiabilité (voir p. 6)<br><i>Reliability level (see p. 6)</i> |   |   |
| CKR 05                                                  | —                                                 | — | 100 nF                         | 20 %                                                                | 50 V                                                                   | — | — |
| CK 05                                                   |                                                   |   |                                |                                                                     |                                                                        |   |   |
| Appell. commerciale<br><i>Commercial type</i>           | F : Niveau de qualité<br><i>F : Quality level</i> |   | Tolérance<br><i>Tolerance</i>  | B : Option bande (>500 ex.)<br><i>B : Band option (&gt;500 ex.)</i> |                                                                        |   |   |
|                                                         |                                                   |   |                                |                                                                     |                                                                        |   |   |



## CARACTERISTIQUES GENERALES

|                                  |                                          |
|----------------------------------|------------------------------------------|
| Diélectrique                     | Céramique classe 2                       |
| Technologie                      | Chips multicouches<br>moulé résine époxy |
| Catégorie climatique             | 55/125/56                                |
| Caract. capacité temp.           | BX (2 X 1)                               |
| Température d'utilisation        | - 55°C + 125°C                           |
| Tension nominale U <sub>RC</sub> | 50 V - 100 V - 200 V                     |
| Tension de tenue                 | 2,5 U <sub>RC</sub>                      |
| Tangente δ à 1 MHz               |                                          |
| C <sub>R</sub> < 100 pF          | ≤ 250.10 <sup>-4</sup>                   |
| Tangente δ à 1 kHz               |                                          |
| C <sub>R</sub> ≥ 100 pF          | ≤ 250.10 <sup>-4</sup>                   |
| Résistance d'isolement           |                                          |
| C <sub>R</sub> ≤ 10 000 pF       | ≥ 100 000 MΩ                             |
| C <sub>R</sub> > 10 000 pF       | ≥ 1 000 MΩ.µF                            |

## MARQUAGE

|             |  |
|-------------|--|
| Capacité    |  |
| Tolérance   |  |
| Tension     |  |
| Sous-classe |  |
| Date-code   |  |

## MAIN CHARACTERISTICS

|                               |                                      |
|-------------------------------|--------------------------------------|
| Dielectric                    | Ceramic class 2                      |
| Technology                    | Multilayer capacitor<br>epoxy molded |
| Climatic category             | 55/125/56                            |
| Capac. temp. charact.         | BX (2 X 1)                           |
| Operating temperature         | - 55°C + 125°C                       |
| Rated voltage U <sub>RC</sub> | 50 V - 100 V - 200 V                 |
| Test voltage                  | 2,5 U <sub>RC</sub>                  |
| Tangent δ at 1 MHz            |                                      |
| C <sub>R</sub> < 100 pF       | ≤ 250.10 <sup>-4</sup>               |
| Tangent δ at 1 kHz            |                                      |
| C <sub>R</sub> ≥ 100 pF       | ≤ 250.10 <sup>-4</sup>               |
| Insulation resistance         |                                      |
| C <sub>R</sub> ≤ 10 000 pF    | ≥ 100 000 MΩ                         |
| C <sub>R</sub> > 10 000 pF    | ≥ 1 000 MΩ.µF                        |

## MARKING

|             |  |
|-------------|--|
| Capacitance |  |
| Tolerance   |  |
| Voltage     |  |
| Sub-class   |  |
| Date-code   |  |