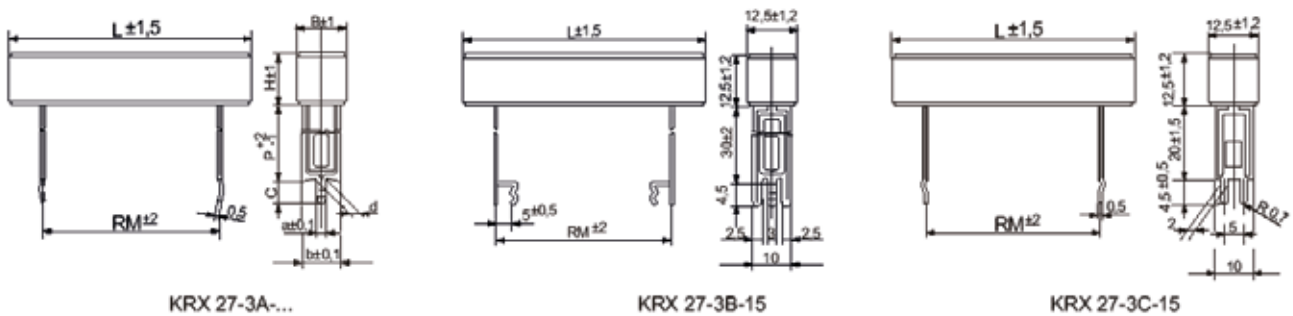




## CERAMIC CASE RESISTORS MODEL KRX

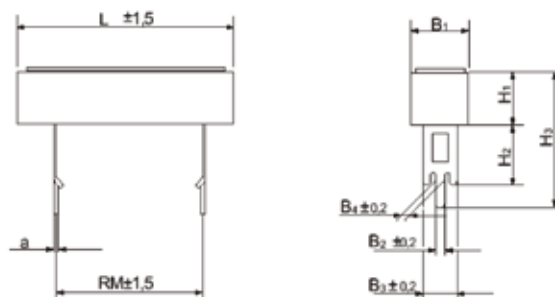
### TECHNICAL DESIGN



| Style                           |                                 | KRX 27-3-3  | KRX 27-3-5 | KRX 27-3-7 | KRX 27-3-10 | KRX 27-3-15 | KRX 27-3-20 |
|---------------------------------|---------------------------------|---|------------|------------|-------------|-------------|-------------|
| Dimensions                      | L =                             | 24  | 27         | 35         | 48          | 48          | 63,5        |
|                                 | RM =                            | 12,5  | 15         | 22,5       | 35          | 32,5        | 50          |
|                                 | B <sub>1</sub> H <sub>1</sub> = | 9   | 9,5        | 9,5        | 9,5         | 12,5        | 12,5        |
|                                 | B <sub>2</sub> =                | 1,4   | 1,4        | 1,4        | 1,4         | 2,7         | 2,7         |
|                                 | B <sub>3</sub> =                | 5   | 5          | 5          | 5           | 10          | 10          |
|                                 | B <sub>4</sub> =                | 1,6   | 1,6        | 1,6        | 1,6         | 3           | 3           |
|                                 | H <sub>2</sub> =                | 10  | 10         | 10         | 10          | 15          | 15          |
|                                 | H <sub>3</sub> =                | 23,5  | 24         | 24         | 24          | 34,6        | 34,6        |
|                                 | a =                             | 0,4   | 0,4        | 0,4        | 0,4         | 0,5         | 0,5         |
| Resistance range                |                                 | R20 - 7K5   | R24 - 11K  | R33 - 16K  | R51 - 27K   | 1R0 - 24K   | 1R0 - 36K   |
| Resistance tolerances           |                                 | K (± 10%)<br>J (± 5%)   |            |            |             |             |             |
| Power rating P <sub>N</sub>     |                                 | 3 W   | 5 W        | 7 W        | 10 W        | 15 W        | 20 W        |
| Dissipation at Ta=25°C          | Ts= 150°C                       | 3,1 W   | 3,5 W      | 4,3 W      | 4,8 W       | 6,8 W       | 7,5 W       |
|                                 | Ts= 250°C                       | 4,4 W   | 5,4 W      | 6,8 W      | 7,5 W       | 10,5 W      | 11,2 W      |
|                                 | Ts= 275°C                       | -   | -          | 10,8 W     | 12,9 W      | 15,9 W      | 20,0 W      |
| Dissipation at Ta=70°C          | Ts= 150°C                       | 1,8 W   | 2,2 W      | 2,5 W      | 2,8 W       | 4,3 W       | 5,0 W       |
|                                 | Ts= 250°C                       | 3,2 W   | 3,8 W      | 4,6 W      | 5,0 W       | 7,1 W       | 7,9 W       |
|                                 | Ts= 275°C                       | -   | -          | 8,4 W      | 9,5 W       | 12,5 W      | 14,0 W      |
| Dielectric withstanding voltage |                                 | ≥ 2000 Veff   |            |            |             |             |             |
| Limiting voltage                |                                 | RADQ (P <sub>N</sub> x R)                                     |            |            |             |             |             |
| Temperature coefficient         |                                 | -80...+500 x 10 <sup>-6</sup> /K                              |            |            |             |             |             |
| Lim. surface temperature        |                                 | 275 °C  |            |            |             |             |             |
| Marking                         |                                 | Cipher stamped, the marking of values according to DIN/IEC 62 |            |            |             |             |             |

## GENERAL FEATURES

I Resistori a filo avvolto in cassa ceramica modello KRX sono resistori a bassa potenza (fino a 20W), caratteristiche principali di questi resistori sono la compattezza, la possibilità di eseguire una vasta gamma di valori ohmici e le piccole dimensioni che consentono un utilizzo di questi prodotti anche su schede elettroniche.



| Style                                  |                  | KRX 27-3A-3   | KRX 27-3A-5 | KRX 27-3A-7 | KRX 27-3A-10 | KRX 27-3A-15 | KRX 27-3A-20 |
|--|------------------|---|-------------|-------------|--------------|--------------|--------------|
| <b>Dimensions</b>                      | <b>L =</b>       | 24  | 27          | 35          | 48           | 48           | 63,5         |
|  | <b>RM =</b>      | 12,5  | 15          | 22,5        | 35           | 32,5         | 47,5         |
|  | <b>B - H =</b>   | 9   | 9,5         | 9,5         | 9,5          | 12,5         | 12,5         |
|  | <b>P =</b>       | 25  | 25          | 25          | 25           | 30           | 30           |
|  | <b>a =</b>       | 1,4   | 1,4         | 1,4         | 1,4          | 2,7          | 2,7          |
|  | <b>b =</b>       | 5   | 7,3         | 7,3         | 7,3          | 10           | 10           |
|  | <b>c =</b>       | 4,5   | 4,5         | 4,5         | 4,5          | 5            | 5            |
|  | <b>d =</b>       | 1,6   | 1,6         | 1,6         | 1,6          | 3            | 3            |
| <b>Resistance range</b>                |                  | R24 - 7K5   | R30 - 11K   | R43 - 16K   | R68 - 27K    | R82 - 24K    | 1R2 - 36K    |
| <b>Resistance tolerances</b>           |                  | K (± 10%)<br>J (± 5%)   |             |             |              |              |              |
| <b>Power rating P<sub>N</sub></b>      |                  | 3 W   | 5 W         | 7 W         | 10 W         | 15 W         | 20 W         |
| <b>Dissipation at Ta=25°C</b>          | <b>Ts= 150°C</b> | 3,1 W   | 3,5 W       | 4,3 W       | 4,8 W        | 6,8 W        | 7,5 W        |
|  | <b>Ts= 250°C</b> | 4,4 W   | 5,4 W       | 6,8 W       | 7,5 W        | 10,5 W       | 11,2 W       |
|  | <b>Ts= 275°C</b> | -   | -           | 10,8 W      | 12,9 W       | 15,9 W       | 20,0 W       |
| <b>Dissipation at Ta=70°C</b>          | <b>Ts= 150°C</b> | 1,8 W   | 2,2 W       | 2,5 W       | 2,8 W        | 4,3 W        | 5,0 W        |
|  | <b>Ts= 250°C</b> | 3,2 W   | 3,8 W       | 4,6 W       | 5,0 W        | 7,1 W        | 7,9 W        |
|  | <b>Ts= 275°C</b> | -   | -           | 8,4 W       | 9,5 W        | 12,5 W       | 14,0 W       |
| <b>Dielectric withstanding voltage</b> |                  | ≥ 2000 Veff   |             |             |              |              |              |
| <b>Limiting voltage</b>                |                  | RADQ (P <sub>N</sub> × R)                                     |             |             |              |              |              |
| <b>Temperature coefficient</b>         |                  | -80...+500 × 10 <sup>-6</sup> /K                              |             |             |              |              |              |
| <b>Lim. surface temperature</b>        |                  | 275 °C  |             |             |              |              |              |
| <b>Marking</b>                         |                  | Cipher stamped, the marking of values according to DIN/IEC 62 |             |             |              |              |              |