



**PRODUCTS**

**Ceramic Resonator (Through Hole)**

**Typical Applications:**

- Household Electric Appliances
- Telephones
- Remote Controllers

# CRK (Through Hole Ceramic Resonator Series)

Part Number: CRK-Freq (KHz)

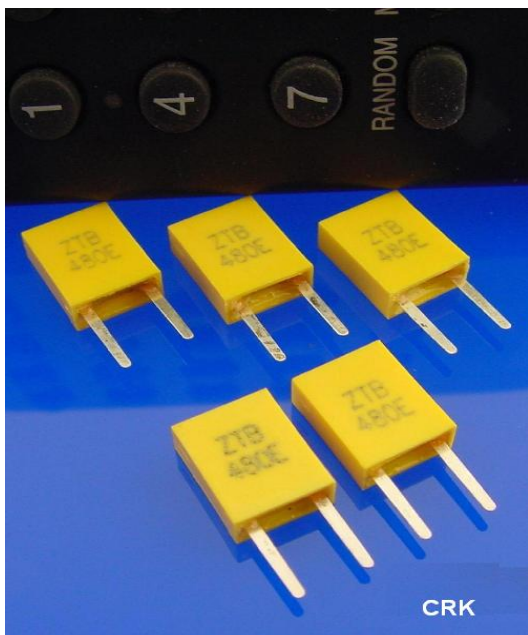
Example: CRK-190.000KHz

**Specification**

**CRK**

| Part No.       | Example        |
|----------------|----------------|
| CRK-Freq (KHz) | CRK-190.000KHz |

| CRK Series                  | Specification             |                       |                       |                       |                        |     |
|-----------------------------|---------------------------|-----------------------|-----------------------|-----------------------|------------------------|-----|
| Frequency Range             | 190.000KHz-249.000KHz     | 250.000KHz-374.000KHz | 375.000KHz-429.000KHz | 430.000KHz-699.000KHz | 700.000KHz-1250.000KHz |     |
| Dimension                   | Width (mm)                | 13.5                  | 11.0                  | 7.9                   | 7.0                    | 5.1 |
|                             | Thickness (mm)            | 3.6                   | 3.6                   | 3.6                   | 3.5                    | 2.2 |
|                             | Height (mm)               | 14.7                  | 12.2                  | 9.3                   | 9.0                    | 6.3 |
|                             | Lead Space (mm)           | 10.0                  | 7.7                   | 5.0                   | 5.0                    | 2.5 |
|                             | Lead Length (mm)          | 8.0                   | 7.0                   | 6.0                   | 4.0                    | 4.0 |
| Tolerance at 25°C           | +/-1 KHz                  |                       | +/-2 KHz              |                       | +/- 0.5%               |     |
| Temperature Stability       | +/-0.3%                   |                       |                       |                       |                        |     |
| Operating Temperature Range | -20°C to +80°C            |                       |                       |                       |                        |     |
| Aging                       | +/- 0.3% for 10 years Max |                       |                       |                       |                        |     |



**Dimension**

(Unit: mm)

**CRK**

| Frequency Range (KHz) | Width W(mm) | Thickness T(mm) | Height H(mm) | Lead Space S(mm) | Lead Length L(mm) |
|-----------------------|-------------|-----------------|--------------|------------------|-------------------|
| 190 - 249             | 13.5        | 3.6             | 14.7         | 10.0             | 8.0               |
| 250 - 374             | 11.0        | 3.6             | 12.2         | 7.7              | 7.0               |
| 375 - 429             | 7.9         | 3.6             | 9.3          | 5.0              | 6.0               |
| 430 - 699             | 7.0         | 3.5             | 9.0          | 5.0              | 4.0 (6.0)         |
| 700 - 1250            | 5.1         | 2.2             | 6.3          | 2.5              | 4.0               |

**RESONATOR & FILTER**