

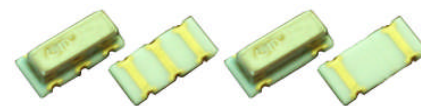
## Ceramic Resonators

4520A

4520T

### Features

◆RoHS Compliant ◆Ceramic SMD type



## Electrical Specifications

| Item                      | Specifications                                |                   |
|---------------------------|-----------------------------------------------|-------------------|
| Type                      | 4520A                                         | 4520T             |
| Center Frequency Range    | 4.0MHz to 8.0MHz                              |                   |
| Series Resistance Max.    | 50Ω                                           | 4.0MHz to 6.0MHz  |
|                           | 40Ω                                           | 6.01MHz to 7.0MHz |
|                           | 30Ω                                           | 7.01MHz to 8.0MHz |
| Frequency Stability       | ±0.5%(Standard) at 25℃±3℃                     |                   |
| Stability vs. Temperature | ±0.3%                                         |                   |
| Operating Temperature     | -25℃ to +85℃ typical, -40℃ to +125℃ available |                   |
| Storage Temperature       | -35℃ to +90℃ typical, -50℃ to +135℃ available |                   |
| Aging Over 10 Years       | ±0.1% Max.                                    |                   |

## Ordering Information

| C                                                                                                              | R                          | Type                              | XX.XX     | M                    | Freq. Stability<br>at 25 °C         | Operating<br>Temp.   | Stability<br>Vs.Temp.                 | Option |
|----------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|-----------|----------------------|-------------------------------------|----------------------|---------------------------------------|--------|
| C: Ceramic<br>R: Resonator                                                                                     | 42A: 4520 A<br>42T: 4520 T | Center frequency<br>4.0 to 8.0MHz | M:<br>MHz | 3: ±0.3%<br>5: ±0.5% | C: -25 to +85°C<br>D: -40 to +125°C | 3: ±0.3%<br>5: ±0.5% | F: Lead Free<br>T: T&R<br>Blank: Bulk |        |
| Example: CR42T4.00M5C3T (Ceramic, 4520T, 4.00MHz, built-in capacitors, +/- 0.5%, -25 to +85deg. +/- 0.3%, T&R) |                            |                                   |           |                      |                                     |                      |                                       |        |

**Example: CR42T4.00M5C3T** (Ceramic, 4520T, 4.00MHz, built-in capacitors, +/-0.5%, -25 to +85deg. +/-0.3%, T&R)

## Dimensions 4520A (Without built-in capacitors)

|  |  |         |
|--|--|---------|
|  |  | Unit:mm |
|--|--|---------|

## Dimensions 4520T (With built-in capacitors)

|  |  |         |
|--|--|---------|
|  |  | Unit:mm |
|--|--|---------|

4520A 4520T

