

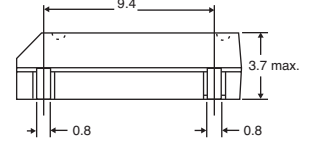
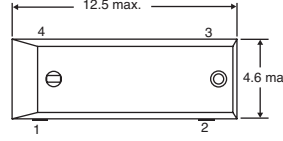
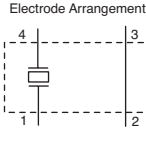
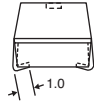
CITIZEN Crystals

CM309S SERIES PLASTIC SMD CRYSTALS 4.6 X 12.5

Specifications:

- Operating Temperature: -40°C to +85°C
- Frequency Tolerance: ±30ppm
- Load Capacitance: 18.0pF typ.
- Insulation Resistance: 500MΩ min.

RoHS Compliant



Features:

- Heat resistant
- Plastic encased cylinder type AT-cut crystal
- Reflow solderable
- Suitable for automatic insertion

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Citizen Part No. | Frequency (MHz) | Price Each | | | | | |
|------------------|----------------------|-----------------|------------|------|-----|------|------|------|
| | | | 1 | 10 | 50 | 100 | 1000 | 2000 |
| 695-CM309S-357-U | CM309S3.579545MABJUT | 3.579545 | 1.26 | 1.03 | .90 | .765 | .476 | .451 |
| 695-CM309S-368-U | CM309S3.6864MABJUT | 3.686400 | 1.26 | 1.03 | .90 | .765 | .476 | .451 |
| 695-CM309S-4-U | CM309S4.0000MABJUT | 4.000000 | 1.26 | 1.03 | .90 | .765 | .476 | .451 |
| 695-CM309S-491-U | CM309S4.9152MABJUT | 4.915200 | 1.26 | 1.03 | .90 | .765 | .476 | .451 |
| 695-CM309S-6-U | CM309S6.0000MABJUT | 6.000000 | 1.26 | 1.03 | .90 | .765 | .476 | .451 |
| 695-CM309S-614-U | CM309S6.1440MABJUT | 6.144000 | 1.26 | 1.03 | .90 | .765 | .476 | .451 |
| 695-CM309S-737-U | CM309S7.3728MABJUT | 7.372800 | 1.26 | 1.03 | .90 | .765 | .476 | .451 |
| 695-CM309S-8-U | CM309S8.0000MABJUT | 8.000000 | 1.26 | 1.03 | .90 | .765 | .476 | .451 |
| 695-CM309S-10-U | CM309S10.0000MABJUT | 10.000000 | 1.26 | 1.03 | .90 | .765 | .476 | .451 |

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Citizen Part No. | Frequency (MHz) | Price Each | | | | | |
|------------------|----------------------|-----------------|------------|------|-----|------|------|------|
| | | | 1 | 10 | 50 | 100 | 1000 | 2000 |
| 695-CM309S-110-U | CM309S11.0592MABJUT | 11.059200 | 1.26 | 1.03 | .90 | .765 | .476 | .451 |
| 695-CM309S-12-U | CM309S12.0000MABJUT | 12.000000 | 1.26 | 1.03 | .90 | .765 | .476 | .451 |
| 695-CM309S-143-U | CM309S14.31818MABJUT | 14.318180 | 1.26 | 1.03 | .90 | .765 | .476 | .451 |
| 695-CM309S-147-U | CM309S14.7456MABJUT | 14.745600 | 1.26 | 1.03 | .90 | .765 | .476 | .451 |
| 695-CM309S-16-U | CM309S16.0000MABJUT | 16.000000 | 1.26 | 1.03 | .90 | .765 | .476 | .451 |
| 695-CM309S-20-U | CM309S20.0000MABJUT | 20.000000 | 1.26 | 1.03 | .90 | .765 | .476 | .451 |
| 695-CM309S-245-U | CM309S24.576MABJUT | 24.576000 | 1.26 | 1.03 | .90 | .765 | .476 | .451 |
| 695-CM309S-25-U | CM309S25.0000MABJUT | 25.000000 | 1.26 | 1.03 | .90 | .765 | .476 | .451 |
| 695-CM309S-327-U | CM309S32.768MABJUT | 32.768000 | 1.26 | 1.03 | .90 | .765 | .476 | .451 |

CM130 SERIES 32.768 KHZ PLASTIC SMD CRYSTALS 1.4 X 6.9

Specifications:

- Operating Temperature: -40°C to +85°C
- Frequency Tolerance: ±20ppm

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Citizen Part No. | Fig. | Freq. (KHz) | L.C. (pF) | Price Each | | | | | |
|------------------|---------------------|------|-------------|-----------|------------|-----|-----|-----|------|------|
| | | | | | 1 | 10 | 50 | 100 | 1000 | 3000 |
| 695-CM130-327K-U | CM13032.768KDZFT-UT | A | 32.768 | 6.0 | .94 | .76 | .68 | .66 | .51 | .50 |

CM200C SERIES 32.768 KHZ PLASTIC SMD CRYSTALS 3.8 X 8

Specifications:

- Operating Temperature: -40°C to +85°C
- Frequency Tolerance: ±20ppm

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Citizen Part No. | Fig. | Freq. (KHz) | L.C. (pF) | Price Each | | | | | |
|--------------------|---------------------|------|-------------|-----------|------------|-----|-----|-----|------|------|
| | | | | | 1 | 10 | 50 | 100 | 1000 | 3000 |
| 695-CM200C-327KF-U | CM200C32.768KDZF-UT | B | 32.768 | 12.5 | .63 | .52 | .45 | .40 | .26 | .25 |
| 695-CM200C-327K-U | CM200C32.768KDZB-UT | B | 32.768 | 6.0 | .84 | .72 | .54 | .45 | .36 | .324 |

CMR200T SERIES 32.768 KHZ REFLOWABLE CRYSTALS

Specifications:

- Operating Temperature: -40°C to +85°C
- Frequency Tolerance: ±20ppm
- Nominal Frequency: 32.768KHz
- Load Capacitance: 6, 7, 12.5pF

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Citizen Part No. | Fig. | Freq. (KHz) | L.C. (pF) | Price Each | | | | | |
|----------------------|-----------------------|------|-------------|-----------|------------|-----|-----|-----|------|------|
| | | | | | 1 | 10 | 50 | 100 | 1000 | 2000 |
| 695-CMR200TB-327K-U | CMR200TB32.768KDZF-UT | C | 32.768 | 12.5 | .71 | .62 | .57 | .52 | .38 | .34 |
| 695-CMR200TB-327KD-U | CMR200TB32.768KDZB-UT | C | 32.768 | 6.0 | .63 | .54 | .40 | .36 | .28 | .252 |

TUNING FORK CRYSTALS

Specifications:

- Operating Temperature: -40°C to +85°C
- Frequency Tolerance: ±20ppm
- Nominal Frequency: 32.768KHz
- Load Capacitance: 12.5pF typ.

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Citizen Part No. | Fig. | Freq. (KHz) | L.C. (pF) | Price Each | | | | | |
|----------------------|---------------------|------|-------------|-----------|------------|------|------|------|------|------|
| | | | | | 1 | 10 | 50 | 100 | 1000 | 3000 |
| 695-CM315-32.768 | CM315 32.768KDZF-UT | D | 32.768 | 12.5 | 2.14 | 1.88 | 1.67 | 1.46 | .975 | .887 |
| 695-CM315-32.768C | CM315-32.768KDZC-UT | D | 32.768 | 9 | 2.14 | 1.88 | 1.67 | 1.50 | 1.25 | 1.07 |
| 695-CM315-32.768Y | CM315-32.768KDZY-UT | D | 32.768 | 7 | 2.14 | 1.88 | 1.67 | 1.50 | 1.25 | 1.07 |
| 695-CM41532.768KDZF | CM415 32.768KDZF-UT | D | 32.768 | 12.5 | 1.71 | 1.50 | 1.33 | 1.20 | 1.00 | .86 |
| 695-CM415-32.768KDZC | CM415-32.768KDZC-UT | D | 32.768 | 9 | 1.71 | 1.50 | 1.33 | 1.20 | 1.00 | .86 |
| 695-CM519-32.768 | CM519 32.768KDZF-UT | D | 32.768 | 12.5 | 1.12 | .96 | .718 | .64 | .59 | .568 |
| 695-CM519-32.768Y | CM519-32.768KDZY-UT | D | 32.768 | 7 | 1.85 | 1.52 | 1.33 | 1.19 | .96 | .85 |

DIMENSIONS: mm

| MOUSER STOCK NO. | Dimensions | | | | | |
|---------------------|-------------|-------------|---------|------|-----|-----|
| | A | B | C | D | E | F |
| 695-CM315-32.768 | 3.2 +/-0.1 | 1.5 +/-0.1 | 0.9 MAX | 2.4 | 1.8 | 1.3 |
| 695-CM41532.768KDZF | 4.1 +/-0.1 | 1.5 +/-0.1 | 0.9 MAX | 3.3 | 2.7 | 1.3 |
| 695-CM519-32.768 | 4.9 +/-0.15 | 1.0 +/-0.15 | 1.0 MAX | 3.95 | 3.2 | 1.6 |