

# AVX SMD Ceramic Resonators



RoHS compliant This product is RoHS compliant.

Frequency Control  
AVX

**A**

**Features:**

- Small size
- High reliability
- Excellent temperature characteristics

**Applications:**

- Remote keyless entry system
- Garage openers
- Security systems

**B**

**Features:**

- Small size (5.5x3.8mm)
- Hermetic seal
- Excellent temperature characteristics

**Applications:**

- Keyless entry systems
- Garage Openers
- Security Systems

**C**

**Features:**

- Small and low profile
- Reflow solderable
- Excellent solderability
- Rectangular shape allows easy pick and placement
- High reliability, high temperature withstanding package

**D**

**Features:**

- Small and low profile
- Reflow solderable
- Excellent solderability
- Rectangular shape allows easy pick and placement
- High reliability, high temperature withstanding ceramic case

**E**

**Features:**

- Small and low profile
- Reflow solderable
- Excellent solderability
- Rectangular shape allows easy pick and placement
- High reliability, high temperature withstanding package

**F**

**Features:**

- Small and low profile
- Reflow solderable
- Excellent solderability
- Rectangular shape allows easy pick and placement
- High reliability, high temperature withstanding package

| MOUSER STOCK NO.                     | AVX Part No.        | Fig. | Frequency (MHz) | Frequency Tolerance | Price Each |      |      |      |      | Reel Quantity | Price Per Piece |
|--------------------------------------|---------------------|------|-----------------|---------------------|------------|------|------|------|------|---------------|-----------------|
|                                      |                     |      |                 |                     | 1          | 10   | 100  | 500  | 1000 |               |                 |
| <b>PARM Series</b>                   |                     |      |                 |                     |            |      |      |      |      |               |                 |
| 581-PARM433.92K04R                   | PARM-433.92K04R     | A    | 433.92          | ±75kHz              | 6.91       | 3.22 | 2.26 | 1.93 | 1.75 | 2000          | 1.68            |
| <b>PARS Series Saw Resonators</b>    |                     |      |                 |                     |            |      |      |      |      |               |                 |
| 581-PARS418.00K04R                   | PARS418.00K04R      | B    | 418.00          | ±75kHz              | 2.10       | 1.80 | 1.41 | 1.20 | .96  | 2000          | .84             |
| 581-PARS433.92K04R                   | PARS-433.92K04R     | B    | 433.92          | ±75kHz              | 2.10       | 1.26 | 1.08 | 1.02 | .96  | 2000          | .92             |
| <b>PRQC Series Chip Resonators</b>   |                     |      |                 |                     |            |      |      |      |      |               |                 |
| 581-PBRC-4.00A                       | PBRC-4.00AR         | C    | 4.00            | ±0.5%               | .69        | .66  | .62  | .58  | .57  | 2000          | .56             |
| 581-PBRC-5.00A                       | PBRC-5.00AR         | C    | 5.00            | ±0.5%               | .69        | .66  | .62  | .58  | .57  | 2000          | .56             |
| 581-PRQC8.00CR5010X                  | PRQC8.00CR5010X000  | C    | 8.00            | ±0.5%               | .56        | .48  | .45  | .33  | .30  | 3000          | .26             |
| 581-PRQC10.00CR5010X                 | PRQC10.00CR5010X000 | C    | 10.00           | ±0.5%               | .68        | .58  | .54  | .40  | .36  | 3000          | .31             |
| 581-PRQC12.00CR5010X                 | PRQC12.00CR5010X000 | C    | 12.00           | ±0.5%               | .68        | .58  | .54  | .40  | .36  | 3000          | .31             |
| 581-PRQC16.00SR5010X                 | PRQC16.00SR5010X000 | C    | 16.00           | ±0.5%               | .60        | .52  | .48  | .36  | .32  | 3000          | .28             |
| <b>PBRC-G Series Chip Resonators</b> |                     |      |                 |                     |            |      |      |      |      |               |                 |
| 581-PBRC2.00GR50X000                 | PBRC2.00GR50X000    | D    | 2.00            | ±0.5%               | .56        | .48  | .45  | .33  | .30  | 2000          | .26             |
| 581-PBRC4.00GR50X000                 | PBRC4.00GR50X000    | D    | 4.00            | ±0.5%               | .49        | .42  | .39  | .29  | .26  | 2000          | .228            |
| 581-PBRC-20.00G                      | PBRC-20.00GR        | D    | 20.00           | ±0.5%               | 1.35       | 1.24 | .92  | .82  | .78  | 2000          | .73             |
| <b>PBRC-H Series Chip Resonators</b> |                     |      |                 |                     |            |      |      |      |      |               |                 |
| 581-PBRC-2.00B                       | PBRC2.00HR50X000    | E    | 2.00            | ±0.5%               | .86        | .74  | .57  | .46  | .43  | 2000          | .40             |
| 581-PBRC-2.45B                       | PBRC2.45HR50X000    | E    | 2.45            | ±0.5%               | 3.50       | 2.70 | 1.86 | 1.48 | 1.11 | 2000          | .88             |
| 581-PBRC-3.58B                       | PBRC3.58HR50X000    | E    | 3.58            | ±0.5%               | .56        | .48  | .37  | .30  | .28  | 2000          | .26             |
| 581-PBRC-3.68B                       | PBRC3.68HR50X000    | E    | 3.68            | ±0.5%               | .47        | .40  | .31  | .25  | .22  | 2000          | .219            |
| 581-PBRC-4.00B                       | PBRC4.00HR50X000    | E    | 4.00            | ±0.5%               | .47        | .40  | .31  | .25  | .22  | 2000          | .219            |
| 581-PBRC-4.19B                       | PBRC4.19HR50X000    | E    | 4.19            | ±0.5%               | .56        | .48  | .37  | .30  | .28  | 2000          | .26             |
| 581-PBRC-4.91B                       | PBRC4.91HR50X000    | E    | 4.91            | ±0.5%               | .56        | .48  | .37  | .30  | .28  | 2000          | .26             |
| 581-PBRC-5.00H                       | PBRC5.00HR50X000    | E    | 5.00            | ±0.5%               | .69        | .66  | .62  | .58  | .57  | 2000          | .56             |
| 581-PBRC-6.00B                       | PBRC6.00HR50X000    | E    | 6.00            | ±0.5%               | .56        | .48  | .37  | .30  | .28  | 2000          | .26             |
| 581-PBRC-6.96BR                      | PBRC6.96HR50X000    | E    | 6.96            | ±0.5%               | 3.38       | 2.03 | 1.18 | 1.10 | 1.01 | 2000          | .85             |
| 581-PBRC-7.00BR                      | PBRC7.00HR50X000    | E    | 7.00            | ±0.5%               | 3.38       | 2.03 | 1.18 | 1.10 | 1.01 | 2000          | .85             |
| 581-PBRC-7.37B                       | PBRC7.37HR50X000    | E    | 7.37            | ±0.5%               | 2.73       | 1.64 | .96  | .89  | .82  | 2000          | .68             |
| 581-PBRC-8.00B                       | PBRC8.00HR50X000    | E    | 8.00            | ±0.5%               | .56        | .48  | .37  | .30  | .28  | 2000          | .26             |
| 581-PBRC-11.0592BR07                 | PBRC11.06HR70X000   | E    | 11.06           | ±0.7%               | 4.99       | 3.24 | 2.88 | 1.69 | 1.40 | 2000          | 1.26            |
| 581-PBRC1200HR70X000                 | PBRC12.00HR70X000   | E    | 12.00           | ±0.7%               | .71        | .60  | .55  | .51  | .50  | 2000          | .49             |
| 581-PBRC-14.74BR07                   | PBRC14.74HR70X000   | E    | 14.74           | ±0.7%               | 2.88       | 2.77 | 1.62 | 1.50 | 1.39 | 2000          | 1.00            |
| 581-PBRC1600HR50X0RZ                 | PBRC16.00HR50X0RZ   | E    | 16.00           | ±0.5%               | 2.73       | 1.64 | .96  | .89  | .82  | 2000          | .68             |
| 581-PBRC1600HR70X000                 | PBRC16.00HR70X000   | E    | 16.00           | ±0.7%               | .71        | .60  | .55  | .51  | .50  | 2000          | .49             |
| 581-PBRC-18.43BR07                   | PBRC18.43HR70X000   | E    | 18.43           | ±0.7%               | 2.88       | 2.77 | 1.62 | 1.50 | 1.39 | 2000          | 1.00            |
| 581-PBRC2000HR50X000                 | PBRC20.00HR50X000   | E    | 20.00           | ±0.5%               | .86        | .74  | .57  | .46  | .43  | 2000          | .40             |
| 581-PBRC-20.00B                      | PBRC20.00HR70X000   | E    | 20.00           | ±0.7%               | 1.35       | 1.24 | .92  | .82  | .78  | 2000          | .73             |
| <b>PBRC-M Series Chip Resonators</b> |                     |      |                 |                     |            |      |      |      |      |               |                 |
| 581-PBRC4.00MR50X000                 | PBRC4.00MR50X000    | F    | 4.00            | ±0.5%               | .49        | .42  | .39  | .29  | .26  | 3000          | .228            |
| 581-PBRC4.19MR50X000                 | PBRC4.19MR50X000    | F    | 4.19            | ±0.5%               | .49        | .42  | .39  | .29  | .26  | 3000          | .228            |
| 581-PBRC4.91MR50X000                 | PBRC4.91MR50X000    | F    | 4.91            | ±0.5%               | .49        | .42  | .39  | .29  | .26  | 3000          | .228            |
| 581-PBRC5.00MR50X000                 | PBRC5.00MR50X000    | F    | 5.00            | ±0.5%               | .56        | .48  | .45  | .33  | .30  | 3000          | .26             |
| 581-PBRC6.00MR50X000                 | PBRC6.00MR50X000    | F    | 6.00            | ±0.5%               | .56        | .48  | .45  | .33  | .30  | 3000          | .26             |
| 581-PBRC7.37MR50X000                 | PBRC7.37MR50X000    | F    | 7.37            | ±0.5%               | .56        | .48  | .45  | .33  | .30  | 3000          | .26             |
| 581-PBRC8.00MR50X000                 | PBRC8.00MR50X000    | F    | 8.00            | ±0.5%               | .56        | .48  | .45  | .33  | .30  | 3000          | .26             |
| 581-PBRC10.00MR70X000                | PBRC10.00MR70X000   | F    | 10.00           | ±0.7%               | .71        | .60  | .55  | .51  | .50  | 3000          | .49             |
| 581-PBRC11.06MR70X000                | PBRC11.06MR70X000   | F    | 11.06           | ±0.7%               | .41        | .39  | .37  | .35  | .34  | 3000          | .33             |
| 581-PBRC12.00MR70X000                | PBRC12.00MR70X000   | F    | 12.00           | ±0.7%               | .41        | .39  | .37  | .35  | .34  | 3000          | .33             |
| 581-PBRC16.00MR70X000                | PBRC16.00MR70X000   | F    | 16.00           | ±0.7%               | .69        | .66  | .62  | .58  | .57  | 3000          | .56             |
| 581-PBRC20.00MR70X000                | PBRC20.00MR70X000   | F    | 20.00           | ±0.7%               | .69        | .66  | .62  | .58  | .57  | 3000          | .56             |