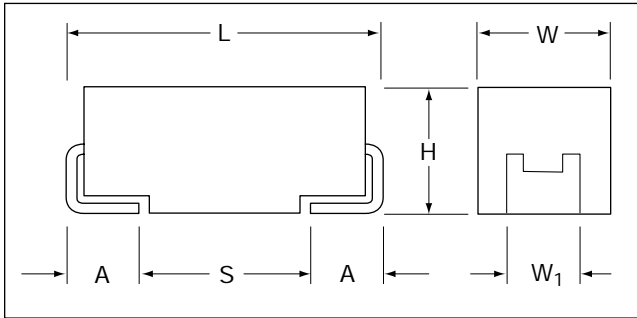


# Surface Mount Tantalum Capacitors



## TAJ Series - Low Profile Solid Tantalum Chip Capacitors



### HOW TO ORDER

**TAJ R 105 K 010 R \***  
 ① ② ③ ④ ⑤ ⑥ ⑦

- ① **Type**
- ② **Case Code:** (See table below)
- ③ **Capacitance Code:**  
 pF Code: 1st two digits represent significant figures, 3rd digit represents multiplier (number of zeros to follow)
- ④ **Tolerance:**  
 K=10%, M=±20%  
 (J=±5%, consult factory for details)
- ⑤ **Rated DC Voltage**
- ⑥ **Packaging:** R=7" tape and reel,  
 S=13" tape and reel
- ⑦ **Additional characters may be added for special requirements**

### Standard Packaging

|   | TAPE & REEL |        |
|---|-------------|--------|
|   | 7"          | 13"    |
| R | 2,500       | 10,000 |
| S | 2,500       | 10,000 |
| T | 2,500       | 10,000 |
| W | 1,000       | 5,000  |
| Y | 1,000       | 4,000  |

### Dimensions: millimeters (inches) - metric dimensions govern

| Code                        | EIA Code | L±0.2 (0.008) | W+0.2 (0.008) -0.1 (0.004) | H max.      | W <sub>1</sub> ±0.1 (0.004) | A+0.30 (0.012) -0.1 (0.004) | S Min.       |
|-----------------------------|----------|---------------|----------------------------|-------------|-----------------------------|-----------------------------|--------------|
| <b>0805 Equivalent</b>      |          |               |                            |             |                             |                             |              |
| R                           | 2012     | 2.05 (0.081)  | 1.3 (0.051)                | 1.2 (0.047) | 1.2 (0.047)                 | 0.5 (0.020)                 | 0.85 (0.033) |
| <b>Low Profile Versions</b> |          |               |                            |             |                             |                             |              |
| S                           | 3216L    | 3.2 (0.126)   | 1.6 (0.063)                | 1.2 (0.047) | 1.2 (0.047)                 | 0.8 (0.031)                 | 1.1 (0.043)  |
| T                           | 3528L    | 3.5 (0.138)   | 2.8 (0.110)                | 1.2 (0.047) | 2.2 (0.087)                 | 0.8 (0.031)                 | 1.4 (0.055)  |
| W                           | —        | 6.0 (0.236)   | 3.2 (0.126)                | 1.5 (0.059) | 2.2 (0.087)                 | 1.3 (0.051)                 | 2.9 (0.114)  |
| Y                           | —        | 7.3 (0.287)   | 4.3 (0.169)                | 2.0 (0.079) | 2.4 (0.094)                 | 1.3 (0.051)                 | 4.4 (0.173)  |

W<sub>1</sub> dimension applies to the termination width for A dimensional area only.  
 Pad stand-off is 0.1±0.1.

### Capacitance and Voltage Range (letter denotes case code)

| Capacitance |      | Rated Voltage (V <sub>R</sub> ) at 85°C |     |      |     |       |       |     |
|-------------|------|---|-----|------|-----|-------|-------|-----|
| μF          | Code | 2V                                      | 4V  | 6.3V | 10V | 16V   | 20V   | 25V |
| 0.10        | 104  |   |     |      |     |       | R/S   |     |
| 0.15        | 154  |   |     |      |     |       | R/S   |     |
| 0.22        | 224  |   |     |      |     |       | R/S   |     |
| 0.33        | 334  |   |     |      |     |       | R/S   |     |
| 0.47        | 474  |   |     |      |     |       | R/S   |     |
| 0.68        | 684  |   |     |      |     | R/S   | R/S/T |     |
| 1.0         | 105  |   |     |      | R/S | R/S/T | R/S/T |     |
| 1.5         | 155  |   |     | R/S  | R/S | S     | T     |     |
| 2.2         | 225  |   | R/S | R/S  | R/S | T     | T     |     |
| 3.3         | 335  |   | R/S | R/S  | S/T | T     |       |     |
| 4.7         | 475  | R                                       | R/S | S/T  | T   |       |       |     |
| 6.8         | 685  | R                                       | S/T | T    | T   |       |       | W   |
| 10          | 106  | S                                       | R/T | R    | T   | W     |       |     |
| 15          | 156  |   |     | T    |     | W     | W     | X   |
| 22          | 226  |   |     |      |     | W     | W     | Y   |
| 33          | 336  |   |     | W    | W   | W     |       |     |
| 47          | 476  |   |     | W    | Y W | X     | X     |     |
| 68          | 686  |   |     | W    | Y W | Y     | Y     |     |
| 100         | 107  |   |     | W    | Y   | Y     |       |     |
| 150         | 157  |   | W   | X    | X Y |       |       |     |
| 220         | 227  | W                                       | W   | X    | Y   |       |       |     |
| 330         | 337  | W                                       | X   | Y    |     |       |       |     |
| 470         | 477  | X                                       | Y   |      |     |       |       |     |
| 680         | 687  | X                                       | Y   |      |     |       |       |     |
| 1000        | 108  | Y                                       |     |      |     |       |       |     |

**BOLD** = Standard Range      **X** = 1.5mm height in a D case footprint

○ = Extended Range  
 ● = Development Range

Additional information on this product is available from AVX's catalog or AVX's FAX Service.  
 Call 1-800-879-1613 and request document #070. Visit our website <http://www.avxcorp.com>

