

## GENERAL INFORMATION

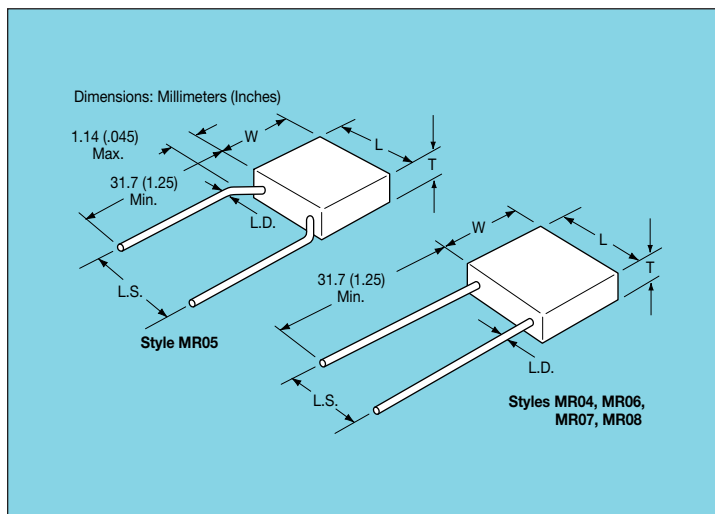
### AVX MR Series

#### Molded Radial Leaded MLC

**Temperature Coefficients:** C0G (NP0), X7R, Z5U  
50, 100, 200 Volts

**Case Material:** Molded Epoxy

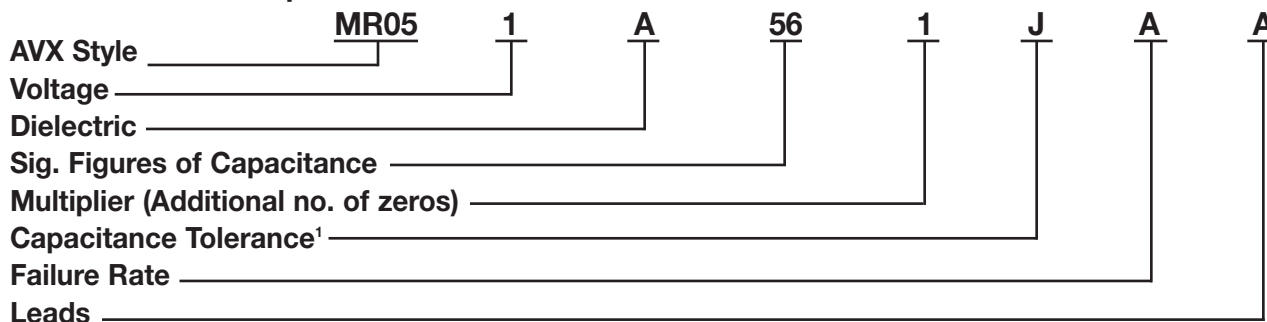
**Lead Material:** Solderable



## HOW TO ORDER

### AVX Styles: MR04, MR05, MR06, MR07, MR08

#### Part Number Example:



#### Part Number Codes

**Voltages:** 50V = 5, 100V = 1, 200V = 2

**Dielectric:** C0G (NP0) = A, X7R = C, Z5U = E

#### Sig. Figures of Capacitance and Multiplier:

First two digits are the significant figures of capacitance.  
Third digit indicates the additional number of zeros.  
For example, order 560 pF as 561. (For values below 10pF, use "R" in place of decimal point, e.g., 1R4 = 1.4 pF).

#### Capacitance Tolerances:

C0G (NP0): D =  $\pm 5\text{pF}$  (<10 pF only), F =  $\pm 1.0\%$  (>50 pF only),  
G =  $\pm 2.0\%$  (>25 pF only), J =  $\pm 5\%$ , K =  $\pm 10\%$   
X7R: J =  $\pm 5\%$ , K =  $\pm 10\%$ , M =  $\pm 20\%$   
Z5U: M =  $\pm 20\%$ , Z =  $+80\%$ , -20%

**Failure Rate:** Not Applicable

**Leads:** A = Standard Solderable

T = Trimmed Leads, .230"  $\pm$  .030"

<sup>1</sup>Trimmed lead length for the MR05 style will be measured from the bend in the lead (seating plane).

## MARKING

Marking is as size permits.

(For code identification, see HOW TO ORDER section.)

- AVX
- Capacitance Tolerance
- Voltage Rating
- Temperature Coefficient
- Date Code
- Lot Code

## PACKAGING REQUIREMENTS

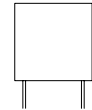
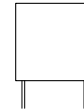
**Bulk Packaging:** 1000 pcs. per sealed package except MR07/MR08 (300 pcs.).

**Tape and Reel:** Available on MR04, MR05, and MR06 only (2500 pcs./reel).

**Ammo Packaging:** Available on special request.

## C0G (NP0)

## SIZE AND CAPACITANCE SPECIFICATIONS



Dimensions: Millimeters (Inches)

| AVX Style          |                                                    | MR04         |     |    | MR05         |     |    | MR06         |     |    | MR07          |     |    | MR08          |     |    |
|--------------------|----------------------------------------------------|--------------|-----|----|--------------|-----|----|--------------|-----|----|---------------|-----|----|---------------|-----|----|
| Length*            |                                                    | 4.83 (.190") |     |    | 4.83 (.190") |     |    | 7.36 (.290") |     |    | 12.44 (.490") |     |    | 12.44 (.490") |     |    |
| Width*             |                                                    | 4.83 (.190") |     |    | 4.83 (.190") |     |    | 7.36 (.290") |     |    | 12.44 (.490") |     |    | 12.44 (.490") |     |    |
| Thickness*         |                                                    | 2.28 (.090") |     |    | 2.28 (.090") |     |    | 2.28 (.090") |     |    | 3.55 (.140")  |     |    | 6.09 (.240")  |     |    |
| Lead Spacing*      |                                                    | 2.54 (.100") |     |    | 5.08 (.200") |     |    | 5.08 (.200") |     |    | 10.16 (.400") |     |    | 10.16 (.400") |     |    |
| Lead Diameter*     |                                                    | .635 (.025") |     |    | .635 (.025") |     |    | .635 (.025") |     |    | .635 (.025")  |     |    | .635 (.025")  |     |    |
| Cap. in pF         | Typical AVX Part Nos.                              | WVDC         |     |    | WVDC         |     |    | WVDC         |     |    | WVDC          |     |    | WVDC          |     |    |
|                    |                                                    | 200          | 100 | 50 | 200          | 100 | 50 | 200          | 100 | 50 | 200           | 100 | 50 | 200           | 100 | 50 |
| 1.0 to 9.1         | MR____5A1R0DAA<br>MR____5A9R1DAA                   |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 10 to 15           | MR____5A100KAA<br>MR____5A120KAA<br>MR____5A150KAA |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 18 to 27           | MR____5A180KAA<br>MR____5A220KAA<br>MR____5A270KAA |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 33 to 47           | MR____5A330KAA<br>MR____5A390KAA<br>MR____5A470KAA |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 56 to 82           | MR____5A560KAA<br>MR____5A680KAA<br>MR____5A820KAA |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 100 to 150         | MR____5A101KAA<br>MR____5A121KAA<br>MR____5A151KAA |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 180 to 270         | MR____5A181KAA<br>MR____5A221KAA<br>MR____5A271KAA |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 330 to 470         | MR____5A331KAA<br>MR____5A391KAA<br>MR____5A471KAA |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 560 to 820         | MR____5A561KAA<br>MR____5A681KAA<br>MR____5A821KAA |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 1000 to 1500       | MR____5A102KAA<br>MR____5A122KAA<br>MR____5A152KAA |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 1800 to 2700       | MR____5A182KAA<br>MR____5A222KAA<br>MR____5A272KAA |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 3300 to 4700       | MR____5A332KAA<br>MR____5A392KAA<br>MR____5A472KAA |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 5600 to 8200       | MR____5A562KAA<br>MR____5A682KAA<br>MR____5A822KAA |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 10,000 to 15,000   | MR____5A103KAA<br>MR____5A123KAA<br>MR____5A153KAA |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 18,000 to 27,000   | MR____5A183KAA<br>MR____5A223KAA<br>MR____5A273KAA |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 33,000 to 47,000   | MR____5A333KAA<br>MR____5A393KAA<br>MR____5A473KAA |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 56,000 to 82,000   | MR____5A563KAA<br>MR____5A683KAA<br>MR____5A823KAA |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 100,000 to 150,000 | MR____5A104KAA<br>MR____5A124KAA<br>MR____5A154KAA |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |

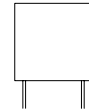
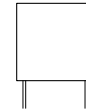
For trimmed leads see "How To Order".  
For other tolerances see "How To Order".  
For other voltages see "How To Order".

= Industry preferred values

\*Length, width and thickness dimensions are  $\pm 0.254$  mm ( $\pm 0.010$ "). Lead diameter is  $\pm 0.05$  mm ( $\pm 0.002$ "). Lead spacing is  $\pm 0.381$  mm ( $\pm 0.015$ ").

## X7R

## SIZE AND CAPACITANCE SPECIFICATIONS



Dimensions: Millimeters (Inches)

| AVX Style      |                          | MR04         |     |    | MR05         |     |    | MR06         |     |    | MR07          |     |    | MR08          |     |    |
|----------------|--------------------------|--------------|-----|----|--------------|-----|----|--------------|-----|----|---------------|-----|----|---------------|-----|----|
| Length*        |                          | 4.83 (.190") |     |    | 4.83 (.190") |     |    | 7.36 (.290") |     |    | 12.44 (.490") |     |    | 12.44 (.490") |     |    |
| Width*         |                          | 4.83 (.190") |     |    | 4.83 (.190") |     |    | 7.36 (.290") |     |    | 12.44 (.490") |     |    | 12.44 (.490") |     |    |
| Thickness*     |                          | 2.28 (.090") |     |    | 2.28 (.090") |     |    | 2.28 (.090") |     |    | 3.55 (.140")  |     |    | 6.09 (.240")  |     |    |
| Lead Spacing*  |                          | 2.54 (.100") |     |    | 5.08 (.200") |     |    | 5.08 (.200") |     |    | 10.16 (.400") |     |    | 10.16 (.400") |     |    |
| Lead Diameter* |                          | .635 (.025") |     |    | .635 (.025") |     |    | .635 (.025") |     |    | .635 (.025")  |     |    | .635 (.025")  |     |    |
| Cap. in<br>pF  | Typical AVX<br>Part Nos. | WVDC         |     |    | WVDC         |     |    | WVDC         |     |    | WVDC          |     |    | WVDC          |     |    |
|                |                          | 200          | 100 | 50 | 200          | 100 | 50 | 200          | 100 | 50 | 200           | 100 | 50 | 200           | 100 | 50 |
| 100            | MR____5C101KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 120            | MR____5C121KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 150            | MR____5C151KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 180            | MR____5C181KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 220            | MR____5C221KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 270            | MR____5C271KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 330            | MR____5C331KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 390            | MR____5C391KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 470            | MR____5C471KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 560            | MR____5C561KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 680            | MR____5C681KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 820            | MR____5C821KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 1000           | MR____5C102KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 1200           | MR____5C122KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 1500           | MR____5C152KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 1800           | MR____5C182KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 2200           | MR____5C222KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 2700           | MR____5C272KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 3300           | MR____5C332KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 3900           | MR____5C392KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 4700           | MR____5C472KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 5600           | MR____5C562KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 6800           | MR____5C682KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 8200           | MR____5C822KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 10,000         | MR____5C103KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 12,000         | MR____5C123KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 15,000         | MR____5C153KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 18,000         | MR____5C183KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 22,000         | MR____5C223KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 27,000         | MR____5C273KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 33,000         | MR____5C333KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 39,000         | MR____5C393KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 47,000         | MR____5C473KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 56,000         | MR____5C563KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 68,000         | MR____5C683KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 82,000         | MR____5C823KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 100,000        | MR____5C104KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 120,000        | MR____5C124KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 150,000        | MR____5C154KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 180,000        | MR____5C184KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 220,000        | MR____5C224KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 270,000        | MR____5C274KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 330,000        | MR____5C334KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 390,000        | MR____5C394KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 470,000        | MR____5C474KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 560,000        | MR____5C564KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 680,000        | MR____5C684KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 820,000        | MR____5C824KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 1.0 µF         | MR____5C105KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 1.2 µF         | MR____5C125KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 1.5 µF         | MR____5C155KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 1.8 µF         | MR____5C185KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 2.0 µF         | MR____5C205KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 2.2 µF         | MR____5C225KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 2.7 µF         | MR____5C275KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 3.3 µF         | MR____5C335KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 3.9 µF         | MR____5C395KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |
| 4.7 µF         | MR____5C475KAA           |              |     |    |              |     |    |              |     |    |               |     |    |               |     |    |

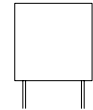
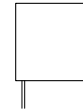
For trimmed leads see "How To Order".  
For other tolerances see "How To Order".  
For other voltages see "How To Order".

 = Industry preferred values

\*Length, width and thickness dimensions are  $\pm 0.254$  mm ( $\pm 0.010$ "). Lead diameter is  $\pm 0.05$  mm ( $\pm 0.002$ "). Lead spacing is  $\pm 0.381$  mm ( $\pm 0.015$ ").

## Z5U Dielectric

### SIZE AND CAPACITANCE SPECIFICATIONS



Dimensions: Millimeters (Inches)

| AVX Style         |                          | MR04            |    | MR05            |    | MR06            |    | MR07             |    | MR08             |    |
|-------------------|--------------------------|-----------------|----|-----------------|----|-----------------|----|------------------|----|------------------|----|
| Length*           |                          | 4.83<br>(.190") |    | 4.83<br>(.190") |    | 7.36<br>(.290") |    | 12.44<br>(.490") |    | 12.44<br>(.490") |    |
| Width*            |                          | 4.83<br>(.190") |    | 4.83<br>(.190") |    | 7.36<br>(.290") |    | 12.44<br>(.490") |    | 12.44<br>(.490") |    |
| Thickness*        |                          | 2.28<br>(.090") |    | 2.28<br>(.090") |    | 2.28<br>(.090") |    | 3.55<br>(.140")  |    | 6.09<br>(.240")  |    |
| Lead*<br>Spacing  |                          | 2.54<br>(.100") |    | 5.08<br>(.200") |    | 5.08<br>(.200") |    | 10.16<br>(.400") |    | 10.16<br>(.400") |    |
| Lead*<br>Diameter |                          | .635<br>(.025") |    | .635<br>(.025") |    | .635<br>(.025") |    | .635<br>(.025")  |    | .635<br>(.025")  |    |
| Cap. in<br>pF     | Typical AVX<br>Part Nos. | WVDC            |    | WVDC            |    | WVDC            |    | WVDC             |    | WVDC             |    |
|                   |                          | 100             | 50 | 100             | 50 | 100             | 50 | 100              | 50 | 100              | 50 |
| 10,000            | MR_____5E103ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 12,000            | MR_____5E123ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 15,000            | MR_____5E153ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 18,000            | MR_____5E183ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 22,000            | MR_____5E223ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 27,000            | MR_____5E273ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 33,000            | MR_____5E333ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 39,000            | MR_____5E393ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 47,000            | MR_____5E473ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 56,000            | MR_____5E563ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 68,000            | MR_____5E683ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 82,000            | MR_____5E823ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 100,000           | MR_____5E104ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 120,000           | MR_____5E124ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 150,000           | MR_____5E154ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 180,000           | MR_____5E184ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 220,000           | MR_____5E224ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 270,000           | MR_____5E274ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 330,000           | MR_____5E334ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 390,000           | MR_____5E394ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 470,000           | MR_____5E474ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 560,000           | MR_____5E564ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 680,000           | MR_____5E684ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 820,000           | MR_____5E824ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 1.0 µF            | MR_____5E105ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 1.2 µF            | MR_____5E125ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 1.5 µF            | MR_____5E155ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 1.8 µF            | MR_____5E185ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 2.2 µF            | MR_____5E225ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 2.7 µF            | MR_____5E275ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 3.3 µF            | MR_____5E335ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 3.9 µF            | MR_____5E395ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 4.7 µF            | MR_____5E475ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 5.6 µF            | MR_____5E565ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 6.8 µF            | MR_____5E685ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 8.2 µF            | MR_____5E825ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |
| 10.0 µF           | MR_____5E106ZAA          |                 |    |                 |    |                 |    |                  |    |                  |    |

For trimmed leads see "How To Order".  
For other tolerances see "How To Order".  
For other voltages see "How To Order".

= Industry preferred values

\*Length, width and thickness dimensions are  $\pm 0.254$  mm ( $\pm 0.010$ "). Lead diameter is  $\pm 0.05$  mm ( $\pm 0.002$ "). Lead spacing is  $\pm 0.381$  mm ( $\pm 0.015$ ").

## Tape and Reel

### GENERAL INFORMATION

1. Standard reel diameter is 355 millimeters (14 inches) maximum.
2. Reeling standard (#1 or #2) should be specified when ordering.

### HOW TO ORDER

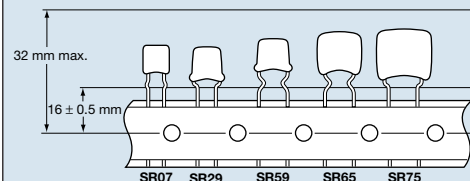
To specify tape and reel packaging, add TR1, TR2 or TRX to the end of the AVX 12 digit part number.

Examples:

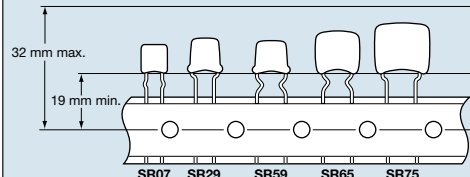
SR215C104KAATR1  
SR305E105MAATR2  
SR215C103JAATTRX

## The Insertables

### STANDARD 1

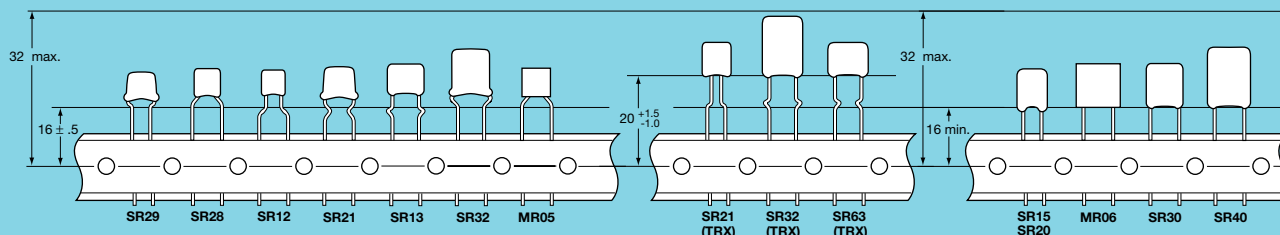


### STANDARD 2



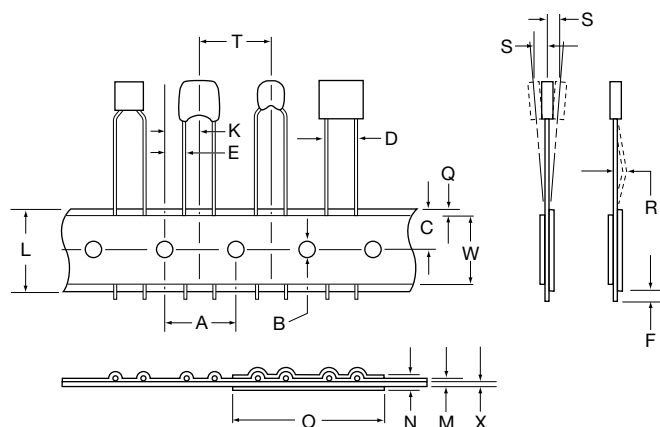
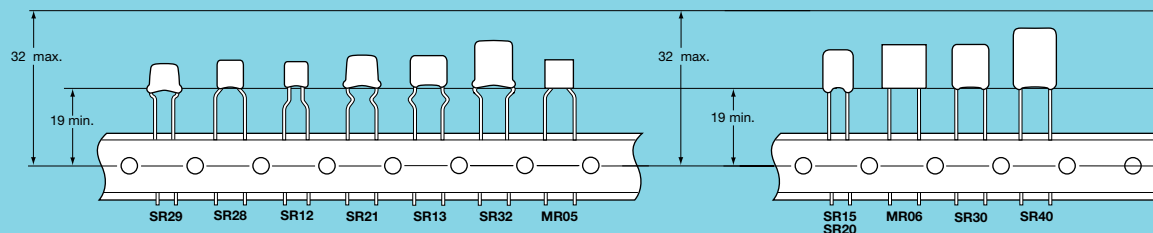
### STANDARD 1

Dimensions in Millimeters



### STANDARD 2

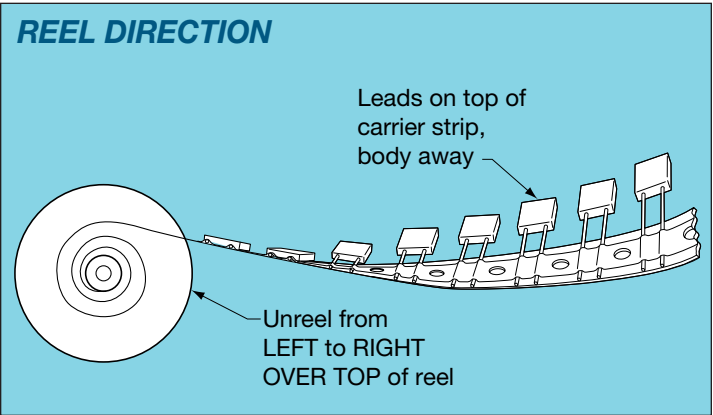
Dimensions in Millimeters



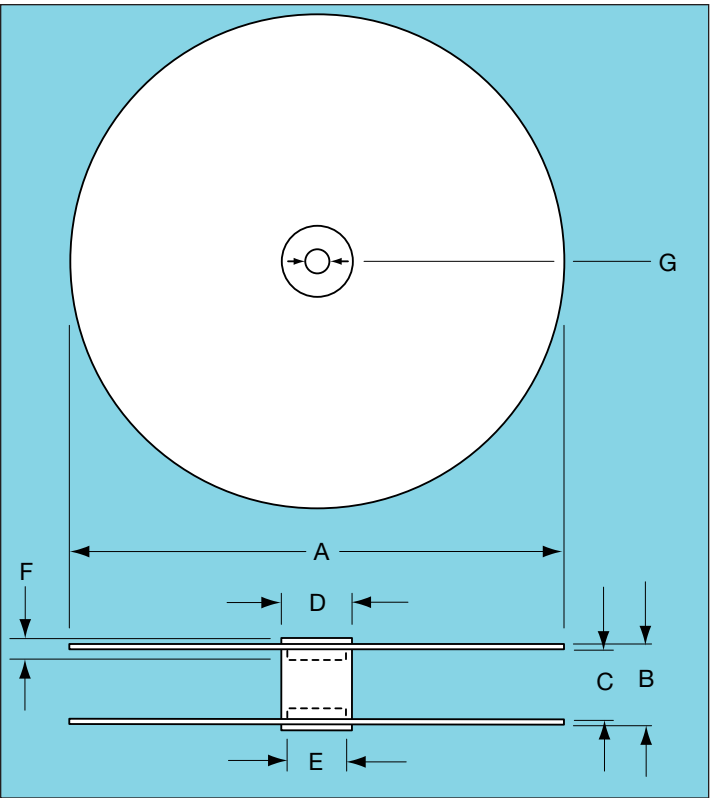
### DESCRIPTION

### DIMENSIONS (MM)

|                                                                      |                                                                                |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------|
| A. Feed Hole Pitch                                                   | 12.70 ± .20                                                                    |
| B. Feed Hole Diameter                                                | 3.99 ± .20                                                                     |
| C. Feed Hole Location                                                | 9.02 ± .51                                                                     |
| D. Component Lead Spacing                                            | 5.00 <sup>+0.79</sup> <sub>-.20</sub> or 2.54 <sup>+0.79</sup> <sub>-.20</sub> |
| E. Component Lead Location                                           | 3.81 ± .51 or 5.00 ± .51<br>for 2.54 lead spacing                              |
| F. Component Lead Protrusion<br>(edge of carrier to cut end of lead) | 2.00 maximum                                                                   |
| K. Component Body Location                                           | 6.35 ± .41                                                                     |
| L. Carrier Tape Width                                                | 18.01 <sup>+1.02</sup> <sub>-.51</sub>                                         |
| M. Carrier Tape Assembly Thickness                                   | .71 ± .20                                                                      |
| N. Carrier Tape Spliced Thickness                                    | 1.42 maximum                                                                   |
| O. Carrier Tape Spliced Length                                       | 50.80 - 88.90                                                                  |
| Q. Adhesive Tape Border                                              | 3.00 maximum                                                                   |
| R. Component Bent Leads (either direction)                           | .79 maximum                                                                    |
| S. Component Misalignment                                            | .99 maximum                                                                    |
| T. Component Pitch                                                   | 12.70 ± .99                                                                    |
| W. Adhesive Tape Width                                               | 5.00 minimum                                                                   |
| X. Carrier Tape Thickness                                            | .51 ± .10                                                                      |
| Y. Cumulative Pitch over 20 Pitches                                  | 254 ± 2.00                                                                     |



| QUANTITY PER REEL                      |      |
|----------------------------------------|------|
| PART                                   | PCS  |
| SR15, 07, 12                           | 3500 |
| SR20, 21, 23, 28<br>13, 29, 59, 62, 89 | 3000 |
| SR30, 32, 40, 63, 64<br>65, 75         | 2000 |
| MR05, 06                               | 2500 |



| DESCRIPTION              | DIMENSIONS (MM) |
|--------------------------|-----------------|
| A – Reel Diameter        | 304.80 - 355    |
| B – Reel Outside Width   | 50.80 maximum   |
| C – Reel Inside Width    | 38.10 - 46.02   |
| D – Core Diameter (O.D.) | 102.01 maximum  |
| E – Hub Recess Diameter  | 86.36 maximum   |
| F – Hub Recess Depth     | 9.50 minimum    |
| G – Arbor Hole Diameter  | 25.40 - 30.48   |

| CONVERSION TABLE |      |      |      |      |      |       |       |        |        |
|------------------|------|------|------|------|------|-------|-------|--------|--------|
| MM               | IN   | MM   | IN   | MM   | IN   | MM    | IN    | MM     | IN     |
| .10              | .004 | 1.52 | .060 | 5.00 | .197 | 9.91  | .390  | 32.00  | 1.260  |
| .20              | .007 | 2.00 | .079 | 5.08 | .200 | 10.03 | .395  | 38.10  | 1.500  |
| .38              | .015 | 2.54 | .100 | 6.22 | .245 | 10.16 | .400  | 46.02  | 1.812  |
| .41              | .016 | 3.00 | .118 | 6.35 | .250 | 11.68 | .460  | 50.80  | 2.000  |
| .51              | .020 | 3.18 | .125 | 6.60 | .260 | 12.50 | .492  | 86.36  | 3.400  |
| .71              | .028 | 3.48 | .137 | 6.99 | .275 | 12.70 | .500  | 88.90  | 3.500  |
| .79              | .031 | 3.81 | .150 | 7.62 | .300 | 16.00 | .630  | 102.01 | 4.016  |
| .99              | .039 | 3.99 | .157 | 8.89 | .350 | 18.01 | .709  | 254.00 | 10.000 |
| 1.02             | .040 | 4.45 | .175 | 9.02 | .355 | 25.40 | 1.000 | 304.80 | 12.000 |
| 1.42             | .056 | 4.98 | .196 | 9.50 | .374 | 30.48 | 1.200 | 355.00 | 14.000 |