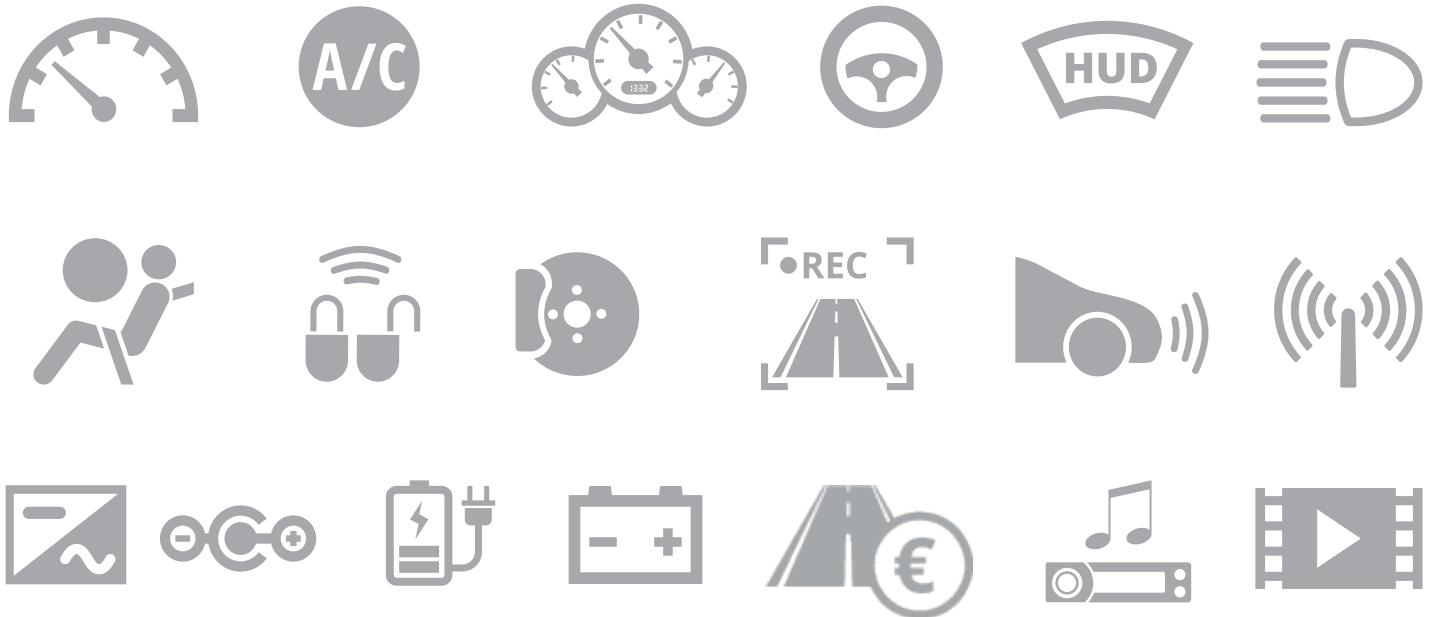




# AEC-Q200 COMPLIANT PASSIVE COMPONENTS SELECTION GUIDE



## ALUMINUM ELECTROLYTIC CAPACITORS

|                |                                          |
|----------------|------------------------------------------|
| EEE - T        | 125°C, Surface Mount                     |
| EEV - T        | 125°C, Surface Mount                     |
| EEE - F        | 105°C, Surface Mount, Low Impedance      |
| EEV - F        | 105°C, Surface Mount, Low Impedance      |
| EEE - H        | 105°C, Surface Mount                     |
| EEE - 0, 1, 2  | 85°C, Surface Mount                      |
| EEU - T        | 125°C, Through Hole                      |
| EEU - FK, FC   | 105°C, Through Hole, Low Impedance       |
| EEU - FP       | 105°C, Through Hole, High Ripple Current |
| EEU - HD       | 105°C, Through Hole                      |
| EEA - GA       | 105°C, Through Hole                      |
| ECA - __HG     | 105°C, Through Hole                      |
| ECA - __M      | 85°C, Through Hole                       |
| ECE - __KA, KS | 85°C, Through Hole                       |

## CONDUCTIVE POLYMER HYBRID ALUMINUM ELECTROLYTIC CAPACITORS

|          |               |
|----------|---------------|
| EEH - Z  | Surface Mount |
| EEH - AZ | Through Hole  |

## FILM CAPACITORS

|                   |                          |
|-------------------|--------------------------|
| ECW - FG          | PP Film, Boxed           |
| ECQ - UAxxxxTx/Sx | PP Film, Boxed, Class X2 |

## THIN FILM CHIP RESISTORS, HIGH RELIABILITY TYPE

|          |                             |
|----------|-----------------------------|
| ERA - 2A | 0402, 1/16W, All Tolerances |
| ERA - 3A | 0603, 1/10W, All Tolerances |
| ERA - 6A | 0805, 1/8W, All Tolerances  |
| ERA - 8A | 1206, 1/4W, All Tolerances  |

## HIGH PRECISION THICK FILM RESISTORS

|          |            |
|----------|------------|
| ERJ - PB | 1608, 2012 |
|----------|------------|

## CURRENT SENSING CHIP RESISTORS, THICK FILM TYPE

|                                 |                                               |
|---------------------------------|-----------------------------------------------|
| ERJ - L                         | All Case Sizes, Low TCR Type, Low Ohmic Value |
| ERJ - 2B / LW / BW              | 0402, Low Ohmic Value                         |
| ERJ - 3B / R / LW / BW          | 0603, Low Ohmic Value                         |
| ERJ - 6B / R / D / LW / BW / CW | 0805, Low Ohmic Value                         |
| ERJ - 8B / R / CW / BW          | 1206, Low Ohmic Value                         |
| ERJ - 12R                       | 1812, Low Ohmic Value                         |
| ERJ - 12ZQ / S                  | 2010, Low Ohmic Value                         |
| ERJ - 14B / R                   | 1210, Low Ohmic Value                         |
| ERJ - 1TR                       | 2512, Low Ohmic Value                         |

## CURRENT SENSING CHIP RESISTORS, METAL PLATE TYPE

|          |            |
|----------|------------|
| ERJ - MS | 2512, 2526 |
| ERJ - MB | 1020       |

## HIGH POWER CURRENT SENSING CHIP RESISTORS

|                    |                                   |
|--------------------|-----------------------------------|
| ERJ - A1           | 1225, Wide Terminal               |
| ERJ - B1 / B2 / B3 | 1020/0612/0508, Wide Terminal     |
| ERJ - D1 / D2      | 0612/1020, Wide Terminal, Low TCR |

## ANTI-SURGE/ANTI-PULSE THICK FILM CHIP RESISTORS

|         |                            |
|---------|----------------------------|
| ERJ - P | All Case Sizes, Anti Surge |
| ERJ - T | All Case Sizes, Anti Pulse |

## ANTI SULFURATED CHIP RESISTORS

|                       |                                         |
|-----------------------|-----------------------------------------|
| ERJ - C1              | 1020, Wide Terminal                     |
| ERJ - S               | All Case Sizes, Au Based                |
| ERJ - U               | All Case Sizes except 0201, Ag Pb Based |
| EXB - U24 / U28 / U2H | 2/4/8 Elements Array, 0402 Base         |
| EXB - U34 / U38       | 2/4 Elements Array, 0603 Base           |

## CHIP RESISTOR ARRAYS

|         |                                 |
|---------|---------------------------------|
| EXB - 2 | 2/4/8 Elements Array, 0402 Base |
| EXB - 3 | 2/4 Elements Array, 0603 Base   |

## STANDARD THICK FILM CHIP RESISTORS

|                 |                         |
|-----------------|-------------------------|
| ERJ - 2R_D      | 0402, 1/16W 0.5%        |
| ERJ - 2RKF      | 0402, 1/10W 1%          |
| ERJ - 2GEJ / 0  | 0402, 1/10W 5% / JUMPER |
| ERJ - 3R_D      | 0603, 1/10W 0.5%        |
| ERJ - 3EKF      | 0603, 1/10W 1%          |
| ERJ - 3GEYJ / 0 | 0603, 1/10W 5% / JUMPER |
| ERJ - 6R_D      | 0805, 1/10W 0.5%        |
| ERJ - 6ENF      | 0805, 1/8W 1%           |
| ERJ - 6GEYJ / 0 | 0805, 1/8W 5% / JUMPER  |
| ERJ - 8ENF      | 1206, 1/4W 1%           |
| ERJ - 8GEYJ / 0 | 1206, 1/4W 5% / JUMPER  |
| ERJ - 14NF      | 1210, 1/2W 1%           |
| ERJ - 14YJ / 0  | 1210, 1/2W 5% / JUMPER  |
| ERJ - 12NF      | 1812, 3/4W 1%           |
| ERJ - 12YJ / 0  | 1812, 3/4W 5% / JUMPER  |
| ERJ - 12SF      | 2010, 3/4W 1%           |
| ERJ - 12ZYJ / 0 | 2010, 3/4W 5% / JUMPER  |
| ERJ - 1TNF      | 2512, 1W 1%             |
| ERJ - 1TYJ / 0  | 2512, 1W 5% / JUMPER    |

## NTC CHIP THERMISTORS

|                |                               |
|----------------|-------------------------------|
| ERT - JxxxxxxM | NTC Thermistor, Surface Mount |
|----------------|-------------------------------|

## CHIP VARISTOR

|                |                            |
|----------------|----------------------------|
| EZJ - PxxxxxxM | Surface Mount, 0402 / 0603 |
| EZJ - ZxxxxxxM | Surface Mount, 0603        |

## POWER CHOKE COILS, METAL COMPOSITE TYPE

|                 |                      |
|-----------------|----------------------|
| ETQ - P_M__ xxx | Surface Mount, Metal |
|-----------------|----------------------|

For complete and current AEC-Q200 compliance information, please reference individual Panasonic part number datasheets at [na.industrial.panasonic.com](http://na.industrial.panasonic.com).

For more information, visit <https://na.industrial.panasonic.com/solutions/aec-q200>