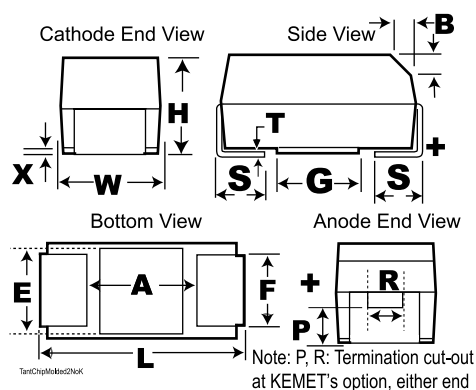


Capacitor, Tantalum, SMD, Polymer, Molded, Low ESR, Non-Combustible, 47 uF, 3528, +/-20% Tol, 6.3V@85C



| Dimensions (mm) |           |           |
|-----------------|-----------|-----------|
| Symbol          | Dimension | Tolerance |
| L               | 3.5       | +/-0.2    |
| W               | 2.8       | +/-0.2    |
| H               | 1.9       | +/-0.1    |
| F               | 2.2       | +/-0.1    |
| S               | 0.8       | +/-0.3    |
| B               | 0.4       | +/-0.15   |
| X               | 0.1       | +/-0.1    |
| P               | 0.5       | REF       |
| R               | 1         | REF       |
| T               | 0.13      | REF       |
| A               | 2.1       | MIN       |
| G               | 1.8       | REF       |
| E               | 2.2       | REF       |

#### Notes:

-In polarity stripe, at KEMET's option, type may be indicated:  
 no symbol = Standard (or low leakage) MnO<sub>2</sub> tantalum chip, O = LowESR T494, R = Low ESR T495, F = Fused T496, HT = 150C rated T498 (or B45196P, B45198P), H = 175C rated T499, M = Multiple anode construction T510 (and B45396R), KO = Organic cathode T520 or T521, KT = High temp organic cathode T525, KM = Multiple anode organic cathode T530, FD= Organic cathode face down terminals T528.

#### General Information

|                        |                                                |
|------------------------|------------------------------------------------|
| Supplier:              | KEMET                                          |
| Part Type Description: | SMD, Polymer, Molded, Low ESR, Non-Combustible |
| Construction:          | Standard Chip-Polymer                          |

#### Specifications

|                     |                         |
|---------------------|-------------------------|
| Capacitance:        | 47 uF                   |
| Voltage DC @ 85C:   | 6.3V                    |
| Voltage DC @ 105C:  | 6.3V                    |
| Tolerance:          | +/-20%                  |
| Application:        | General Purpose/Low ESR |
| Temperature Range:  | -55/+105C               |
| Body Type:          | Molded Chip             |
| ESR:                | 25 mOhm                 |
| Footprint:          | 3528                    |
| Termination:        | Tin                     |
| RoHS:               | Yes                     |
| Leakage Current:    | 29.6 uA                 |
| Dissipation Factor: | 8%                      |
| Ripple @ 25C:       | 2.3 A                   |
| Ripple @ 85C:       | 1.61 A                  |
| Ripple @ 105C:      | 0.575 A                 |

#### Packaging Specifications

|                   |      |
|-------------------|------|
| Package Kind:     | T&R  |
| Package Size:     | 7in  |
| Package Quantity: | 2000 |