

Capacitor, Tantalum, SMD, MnO2, Molded, Low ESR, 47 uF, 3216, +/-20% Tol, 6.3 VDC (85C)



| General Information    |                            |
|------------------------|----------------------------|
| Supplier:              | KEMET                      |
| Application:           | Low ESR                    |
| Part Type Description: | SMD, MnO2, Molded, Low ESR |
| Construction:          | Standard Chip-MnO2         |
| Body Type:             | SMD Chip                   |
| Footprint:             | 3216                       |
| Weight:                | 58.6 mg                    |
| RoHS:                  | Yes                        |

| Dimensions (mm) |           |           |
|-----------------|-----------|-----------|
| Symbol          | Dimension | Tolerance |
| L               | 3.2       | +/-0.2    |
| W               | 1.6       | +/-0.2    |
| H               | 1.6       | +/-0.2    |
| F               | 1.2       | +/-0.1    |
| S               | 0.8       | +0.2/-0.3 |
| B               | 0.4       | +/-0.15   |
| X               | 0.1       | +/-0.1    |
| P               | 0.4       | REF       |
| R               | 0.4       | REF       |
| T               | 0.13      | REF       |
| A               | 1.2       | MIN       |
| G               | 1.1       | REF       |
| E               | 1.3       | REF       |

| Specifications          |                   |
|-------------------------|-------------------|
| Capacitance:            | 47 uF             |
| Tolerance:              | +/-20%            |
| Voltage:                | 6.3 VDC (85C)     |
| Voltage:                | 4.22 VDC (125C)   |
| Temperature Range:      | -55/+125C         |
| Current/Ripple Current: | 173 mAmps (25C)   |
| Current/Ripple Current: | 155.7 mAmps (85C) |
| Current/Ripple Current: | 69.2 mAmps (125C) |
| Resistance/ESR:         | 2.5 Ohms (100kHz) |
| Failure Rate:           | N/A               |
| Leakage Current:        | 3 uA              |
| Dissipation Factor:     | 12%               |

| Packaging Specifications |             |
|--------------------------|-------------|
| Package Kind:            | T&R         |
| Package Size:            | 7 in/180 mm |
| Package Quantity:        | 2000        |

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