

Type TYTS Series

Key Features

- Excellent Frequency Characteristics
- Excellent Impedance Characteristics
- A, B, C & D Case Sizes
- 4V to 50V Ratings
- 10% or 20% Tolerance
- RoHS Compliant



The TYT series of moulded solid Tantalum chip capacitors is designed for high solder heat resistance and ease of automatic placement. The product is provided with both excellent frequency and impedance characteristics.

The four different product types cover the majority of requirements for this product series.

TYTS series is the standard type used in many industries and TYTM series extends this product range by applying advanced manufacturing technology, thereby allowing reduced sizes and extended value range.

TYTP series allows even further miniaturisation offering many values in an 0805 package size. The series is completed with the TYTR series which offers a comprehensive range of low ESR products.

Product Specifications

| Product Specifications | | Test Conditions JIS C5101-3(1998) |
|-------------------------------------|--|---|
| Operating Temperature Range: | -55°C ~ +125°C | |
| Rated Voltage: | DC4 ~ 50V | 85°C |
| Surge Voltage: | DC5 ~ 65V | 85°C |
| Derated Voltage: | DC2.5 ~ 33V | 125°C |
| Capacitance: | 0.1 ~ 68μF | |
| Capacitance Tolerance: | ±10% or 20% | Measuring Frequency: 120Hz ±10%, Measurement Circuit: Equivalent Series Circuit: Measuring Voltage Max.: 0.5Vrms, +1.5Vdc. |
| Leakage Current: | 0.01 CV or 0.5μA whichever is greater | Series Protective Resistor: 1000Ω Measuring Voltage: Rated voltage Measuring Time: 5 minutes |
| Surge Withstanding Voltage: | ΔC/C ±5% or less tanδ Specified initial value or less LC Specified initial value or less | |