

Type TYTR Series

Key Features

- Suitable for High Frequency Applications
- Excellent Impedance Characteristics
- P, 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 Temp. 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 ~ 470μF	
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 less	Series Protective Resistor: 1000Ω Measuring Voltage: Rated voltage Measuring Time: 5 minutes
ESR (100kHz):	P Case 1000 ~ 6000mΩ ^{MAX} A Case 500 ~ 4000mΩ ^{MAX} B Case 500 ~ 2000mΩ ^{MAX} C Case 200 ~ 500mΩ ^{MAX} D Case 100 ~ 350mΩ ^{MAX}	Measuring Frequency: 100kHz
Maximum Permitted Ripple Current (100kHz, 20°C):	P Case 120 ~ 300mA _{rms} ^{MAX} A Case 150 ~ 440mA _{rms} ^{MAX} B Case 220 ~ 400mA _{rms} ^{MAX} C Case 400 ~ 700mA _{rms} ^{MAX} D Case 500 ~ 1000mA _{rms} ^{MAX}	100kHz, 20°C