

Tantalum MnO₂

TAJ, TAW, TMJ, TPS, TRJ, TRM, TPM, THJ, TLJ, TLN, TAC, TLC, TPC
NOJ, NLJ, NOM, NOS
F72, F75, F91, F92, F93, F95, F97, AUDIO F95, F98

Tantalum Monthly Update October 2014



Scan Code for
Datasheet



Basic Overview

Voltage range is typically from 2.5 to 50V and the case size offering has grown from basic four EIA case sizes (A,B,C,D) to more than fifteen in order to better meet specific height or space limited design requirements. The other case sizes includes larger cases to offer capacitance up to 1500 μ F, small case sizes with high CV in a minimum footprint and low profile packages with heights as low as 0.6mm. The strength of the conventional MnO₂ technology is in the robustness against thermomechanical load, temperature and DC Bias stability, voltage range up to 50V and very good steady state reliability.

Markets

Consumer, Automotive, Medical, Aerospace

Applications

- Digital equipment
- Cellular phones
- Power supply
- ECU, Tire pressure monitoring
- Hearing Aids

Top Selling Points

- Wide capacity and voltage range
- 100% Surge Screening
- Wide temperature range -55/+200°C
- Volumetric efficiency

Unique Feature

- Stable electrical parameters
- No Piezoeffect
- High Long term reliability
- Unlimited lifetime

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How to Order

TAJ Type	C Case Size See table above	106 Capacitance Code pF code: 1st two digits represent significant figures, 3rd digit represents multiplier (number of zeros to follow)	M Tolerance K=±10% M=±20%	035 Rated DC Voltage 002=2.5Vdc 004=4Vdc 006=6.3Vdc 010=10Vdc 016=16Vdc 020=20Vdc 025=25Vdc 035=35Vdc 050=50Vdc	R Packaging R = Pure Tin 7" Reel S = Pure Tin 13" Reel A = Gold Plating 7" Reel (Contact Manufacturer) B = Gold Plating 13" Reel H = Tin Lead 7" Reel (Contact Manufacturer) K = Tin Lead 13" Reel (Contact Manufacturer) H, K = Non RoHS	NJ Specification Suffix NJ = Standard Suffix	- Additional characters may be added for special requirements V = Dry pack Option (selected codes only)
TPS Type	C Case Size See table above	107 Capacitance Code pF code: 1st two digits represent significant figures, 3rd digit represents multiplier (number of zeros to follow)	M Tolerance K = ±10% M = ±20%	010 Rated DC Voltage 002 = 2.5Vdc 004 = 4Vdc 006 = 6.3Vdc 010 = 10Vdc 016 = 16Vdc 020 = 20Vdc 025 = 25Vdc 035 = 35Vdc 050 = 50Vdc	R Packaging R = Pure Tin 7" Reel S = Pure Tin 13" Reel A = Gold Plating 7" Reel (Contact Manufacturer) B = Gold Plating 13" Reel H = Tin Lead 7" Reel (Contact Manufacturer) K = Tin Lead 13" Reel (Contact Manufacturer) H, K = Non RoHS	0100 ESR in mΩ	- Additional characters may be added for special requirements V = Dry pack Option (selected codes only)
F93 Type	1A Rated Voltage	106 Capacitance Code pF code: 1st two digits represent significant figures, 3rd digit represents multiplier (number of zeros to follow)	M Tolerance K = ±10% M = ±20%	A Case Size See table above	<input type="checkbox"/> Packaging See Tape & Reel Packaging Section		

Catalogue

Latest electronic version of "**Tantalum and Niobium Oxide Capacitors**" catalogue, that includes the F-series datasheets, available on the AVX web sites. Click [here](#) to download.

Note for Tick users:

Matrices, datasheets and monthly update document are also available at the Tick Bulletin Board.

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