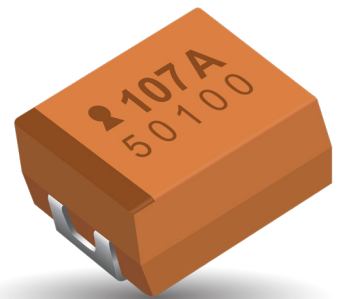
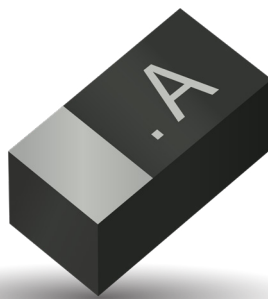
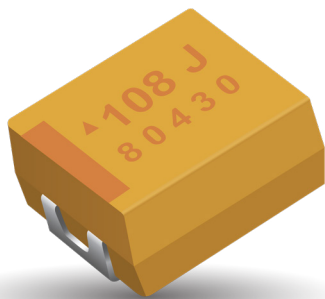
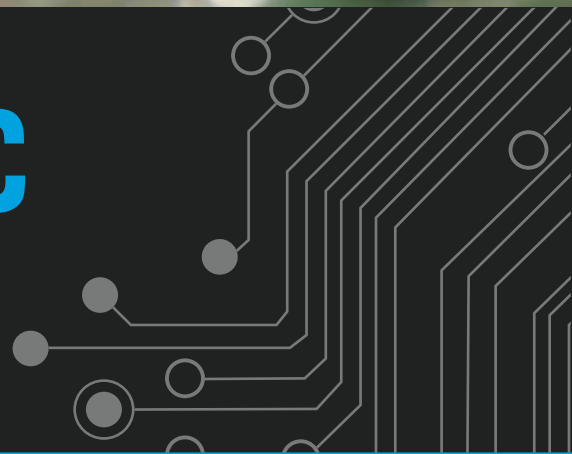


# ELECTROLYTIC CAPACITORS



## Tantalum / $MnO_2$

- Industry's Smallest  $MnO_2$  Case Size
- Highest Rated Temperature (230°C)
- Largest Automotive Portfolio

## Conductive Polymer

- Highest Rated Voltage (+125V)
- AEC-Q200 Qualified
- Industry's Highest Energy Density

## Niobium Oxide / OxiCap®

- Proven OxiCap® Technology
- High Reliability
- Designed For Automotive Applications



# ELECTROLYTIC CAPACITORS

## TANTALUM / MnO<sub>2</sub> CAPACITORS



AVX is the number one tantalum capacitor supplier with manufacturing plants worldwide, providing flexibility and capacity for all electronic industry demands. We are the global leader in MnO<sub>2</sub> solid tantalum technology, including the world's smallest case size tantalum chips, sharing common footprints with Hi CV MLCC.

Series	Features	Applications
THJ	High Temperature (Up to 200°C)	Automotive & Down Hole
THH	Hermetically Sealed & High Temperature (Up to 230°C)	Down Hole & Jet Engines
TLJ / TLN	Hi CV Consumer Series	Mobile Phones & Tablets
TLC / TAC / TPC	TACmicrochip®	Hearing Aids & Long Life Miniature Design
F98	Hi CV Sub A-Case Undertab	Wearables, IoT, & MLCC Alternative
TMJ	Low DCL	TPM, Automotive, & Avionics
F72 / F75 / F95	Low Profile & Hi CV Conformal Coated	Smartphone & Wireless module
TAJ / TRJ / F92 / F93 / F97	Standard & Automotive Resin Molded Chips	General Low Power DC/DC & LDO
TPS / TPM / TRM / F91	Low ESR Standard & Automotive	General Medium/High power DC/DC & LDO
TAP	Solid Dipped Radial	General Low Power DC/DC & LDO

## CONDUCTIVE POLYMER CAPACITORS



AVX offers a broad range of conductive polymer solid electrolytic capacitors, featuring high capacitance in standard and low profile case sizes, low ESR and a benign failure mode under recommended usage conditions, making them a good choice in MLCC replacement applications.

Series	Features	Applications
TCJ	Polymer Chips	Smartphones, Server, & Notebooks
TCM	Low ESR & Multi Anode	Server, Routers, & Base Stations
TCH	Hermetically Sealed & High Temperature (Up to 125°C)	Satellite, Aerospace, & Defense
J-Cap™	Undertab & Highest Energy	SSD, Smartphones, & MLCC Alternative
F38 / TCN	Hi CV Sub A-Case Undertab	Wearables, IoT, & MLCC Alternative
TCQ	AEC-Q200	Automotive
TCB	COTS-Plus	Aerospace, Defense, & Safety Systems
TCS	Multi Anode COTS-Plus	Aerospace, Defense, & Safety Systems

## NIOBIUM OXIDE / OxiCap® CAPACITORS



AVX Niobium Oxide OxiCap® Capacitors are solid electrolytic capacitors using Niobium Oxide (NbO) anode material instead of traditional Tantalum. Niobium is a widely available material, and has several advantages over tantalum including a non-short circuit failure mode. AVX OxiCap® is available with low ESR, Hi CV, and small, low profile case sizes for Hi CV MLCC replacement.

Series	Features	Applications
NLJ	Hi CV Consumer	Handhelds & Entertainment
NOJ	Standard & Automotive Resin Molded Chips	General Low power DC/DC & LDO
NOS / NOM	Low ESR	General Medium/High Power DC/DC & LDO

▶ Please visit [AVX.COM](http://AVX.COM) to learn more about High Reliability Tantalum Capacitors & to view our online SPITAN Simulation Software.