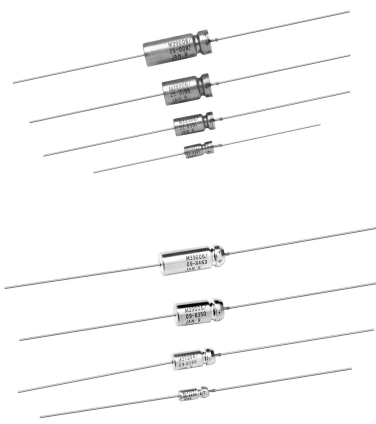
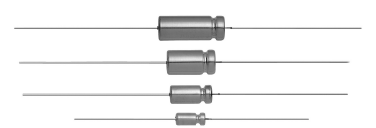

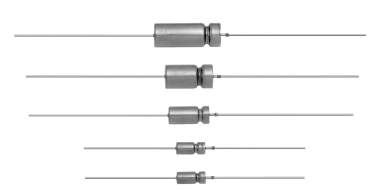
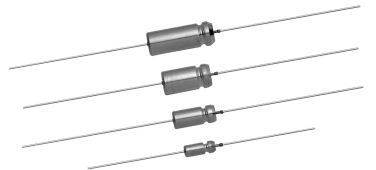
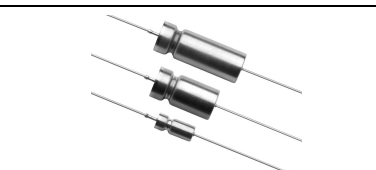
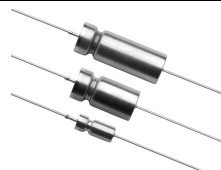

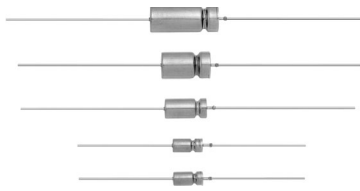
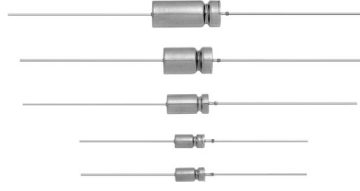



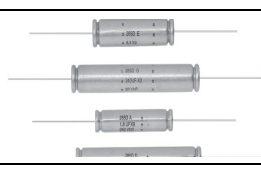



Wet Tantalum Capacitors


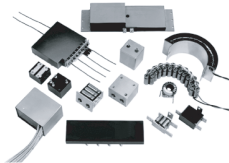
WET TANTALUM CAPACITORS				
PICTORIAL	MODEL	CASE CODES	DESCRIPTION	PAGE
	MIL-PRF-39006	T1, T2, T3, T4	Wet tantalum capacitors: Axial lead, tubular, hermetically sealed, metal case. These capacitors are MIL-PRF-39006 qualified and are established reliability. In accordance with the MIL-PRF-39006, all capacitors are marked with the Military part number - M39006/xx-xxxx and should be ordered using this designation. Performance characteristics for these capacitors are found in the latest issue of the Military specification. MIL-PRF-39006 establishes 1000 h failure rate levels of 1.0 %, 0.1 %, and 0.01 %. When ordering these parts, care must be exercised that the correct part number expressing the appropriate failure level be specified. Each order for Military style capacitors requiring government inspection must state whether inspection is to be at the destination or at the Vishay wet tantalum plant. Orders requiring source inspection cannot be shipped until this has been accomplished.	60
	CLR65 M39006/09			
	CLR69 M39006/21			
	CLR79 M39006/22			
	CLR81 M39006/25			
	CLR90 M39006/30			
CLR91 M39006/31				
	109D CL64/65 M3965/4	C, F, T, K	Wet tantalum capacitor-sintered anode-silver case Tantalex® capacitor for operation to + 125 °C: Axial lead. Tubular. Elastomer sealed. For applications where a superior quality, reliable design is desired as in telecommunications, automotive, and industrial applications. These capacitors have an shelf life in excess of ten years.	14
	769D	A, B, C, D	Wet tantalum capacitor-sintered anode capacitor for operation to + 125 °C: Axial lead. Tubular. Epoxy resin end-fill. Designed for industrial and telecommunication applications. Offers higher microfarad value per unit volume than conventional styles. Shelf life in excess of ten years. These capacitors are CECC 30202-013 qualified.	31
	135D	C, F, T, K	Wet tantalum capacitors-tantalum Case with glass-to-tantalum hermetic seal for operation from - 55 °C to + 200 °C: Axial lead. Electrolytic capacitor with 3 V reverse voltage capability at 85 °C and a higher ripple than conventional styles with similar combinations of capacitance and case size. For aerospace applications, these capacitors will withstand high levels of shock and vibration. The European styles are certified to CECC 30202-001, 801, 005 (see datasheet for detailed information).	37
	735D/DE CT79	A, B, C, D		50
	138D	C, F, T, K	Wet tantalum capacitor-sintered anode-silver case Tantalex® capacitor. Axial lead. Hermetically sealed with true glass-to-tantalum seal which offers improved reliability. The construction eliminates all internal lead welds while retaining the strength of internal lead-welded parts. This construction offers outstanding resistance to thermal shock.	19
	738D CT9	A, B, C, D		26
	ST DSCC 93026	1, 2, L2, 3, 4	Wet tantalum capacitor-sintered anode-tantalum case capacitor. Axial lead. Hermetically sealed. A patented unique cathode design enables an 85 % to 250 % increase in capacitance as well as improved ESR and ripple current capabilities when compared to conventional wet tantalum devices. These capacitors are DSCC 93026 qualified.	88

See individual datasheets for complete details

WET TANTALUM CAPACITORS				
PICTORIAL	MODEL	CASE CODES	DESCRIPTION	PAGE
	STA	1, 2, 3, 4	Wet tantalum capacitors-sintered anode-tantalum case capacitor. Axial lead. Hermetically sealed. Operation temperature range of - 55 °C to + 85 °C in the voltage range 6 V to 15 V. This range is exceptionally well suited for low voltage filtering and energy storage applications.	91
	STE	2, 4	Wet tantalum capacitor-sintered anode tantalum case capacitor. Axial lead. Hermetically sealed. A patented unique cathode design enables an 85 % to 250 % increase in capacitance as well as improved ESR and ripple current capabilities when compared to conventional wet tantalum devices.	93
	134D	C, F, T, K	Wet tantalum capacitor-sintered anode tantalum case capacitor. Axial lead. Hermetically sealed. A patented unique cathode design enables an 85 % to 250 % increase in capacitance as well as improved ESR and ripple current capabilities when compared to conventional wet tantalum devices. HI TMP® (+ 200 °C).	96
	T16	D	For avionics and aerospace applications, the new T16 series of wet tantalum capacitors with glass-to-tantalum hermetic seals provides all the advantages of Vishay's SuperTan series devices, while offering enhanced performance with a reverse voltage of 1.5 V at + 85 °C and a high-reliability design with improved vibration (sine: 20 g; random: 27.7 g), thermal shock (300 cycles), and mechanical shock capabilities.	99
	XT	K, M, L, H, V	Wet tantalum design with hermetic seal. Will handle extreme environmental conditions and high temperature (- 55 °C to + 175 °C). Suitable for aircraft, space and well logging applications. Can be supplied in various terminal configurations.	103
	HE3	A, B, C	ULTRA high capacitance, HIGH ENERGY wet tantalum sintered-anode tantalum case capacitor. Operation to + 125 °C.	114
	200D 202D	A1 - A5 B1 - B7 D3	Wet tantalum capacitor-sintered anode Tantalex® capacitor for operation to + 175 °C: Available in three standard case styles and 13 case codes. Operating temperature is - 55 °C to + 125 °C. 200D units are constructed with the negative terminal connected to the case. Used in filtering , coupling, bypass and time-delay circuits in computers, missiles, airborne equipment, radar and fire control systems.	120
	285D	A, B, C, D, E, F, G, H	Tantalum foil replacement capacitor. Wet tantalum sintered-anode tantalum case capacitor. Operation to + 125 °C. Both polar and non-polar designs available.	132
	CA2, CE2, CH2, CS2	B, C	Wet tantalum capacitor, tantalum anode-cathode, unique button style, suitable for avionics and oil exploration markets.	147, 152, 157, 162

See individual datasheets for complete details



WET TANTALUM CAPACITORS				
PICTORIAL	MODEL	CASE CODES	DESCRIPTION	PAGE
	M34, M35	C	Wet tantalum capacitor, tantalum anode-cathode, surface mount package, suitable for military and avionics applications.	166, 170
	Custom Design Arrays	contact: wettants@vishay.com	Vishay offers a complete design service to provide the best technical and commercial solution. This service includes assistance preparing specifications and making samples, special testing, evaluating test results and making any necessary changes to achieve the ultimate in design.	203

See individual datasheets for complete details