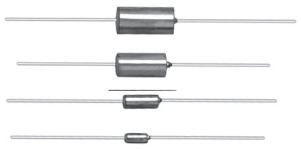
Solid Tantalum Capacitors
Hermetic Seal, Metal Case

SOLID TANTALUM LEADED CAPACITORS

PICTORIAL	MODEL	CASE CODES	DESCRIPTION	PAGE
	150D	A, B, R, S	Solid Tantalum Capacitor - Solid-Electrolyte TANTALEX®: Axial lead. Hermetically sealed. High performance. High capacitance. Low DCL. Low dissipation factor. Excellent operating stability/reliability. Supplied with plastic film insulation. Terminals are solid, tinned nickel wire leads. Commercial, industrial and military applications.	10
	152D	A, B, R, S	Solid Tantalum Capacitor - Solid-Electrolyte TANTALEX®: Axial lead. Hermetically sealed. Extended capacitance. Small size. Low leakage current. Low dissipation factor. Exceptional operating stability. Proven reliability in a wide variety of high performance commercial, industrial and military applications.	20
	550D	R, S	Solid Tantalum Capacitor - Solid-Electrolyte TANTALEX®: Axial lead. Hermetically sealed. Small size. Long life. Designed for power supply filtering applications at above 100kHz. Extremely low equivalent series resistance with the capability to handle high ripple currents in switching regulators and high frequency power supplies.	24
	**MIL-C-39003** CSR13 M39003/01 CSR21 M39003/09 CSR23 M39003/03 CSR33 M39003/06	A, B, C, D C, D A, B, C, D A, B, C, D	Solid Tantalum Capacitors- Solid-Electrolyte TANTALEX®: Axial lead. Tubular. Hermetically sealed. Capacitors are qualified to MIL-C-39003 - Exponential and Weibull distribution. Capacitors are furnished to the requirements of the military specification, including marking, testing and inspection. Also, MIL-C-39003 establishes failure rates (expressed in percent per 1,000 hours) based on exponential and Weibull distribution. Exponential failure rates are identified as levels M, P, R and S. Weibull failure rates are B, C and D. Levels M, P, R and S are inactive for new designs. Styles CSR23 and CSR33 capacitors are extended capacitance range versions of the CSR13.	27

See Individual Data Sheets For Complete Details

For technical questions, contact tantalum@vishay.com
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Solid Tantalum Capacitors
Non-Hermetic Seal, Molded Case and Resin Coated

SOLID TANTALUM LEADED CAPACITORS				
	173D	U, V, W, X, Y	Solid Tantalum Capacitor - Solid-Electrolyte TANTALEX®: Axial lead. Miniature. Molded case. Precision molded in gold colored, flame retardant, thermosetting epoxy resin. Units are laser marked for improved legibility. The tapered end of the case provides easy identification of the positive terminal. Tape and reel packaging.	87
	199D	A, B, C, D, E, F	Solid Tantalum Capacitor - Solid-Electrolyte TANTALEX®: Radial lead. Resin-coated. Miniature. Rugged and reliable. High performance. Economical. Low leakage current and dissipation factor. Two lead styles. Tape and reel packaging. Suitable for a broad range of commercial and industrial equipment applications.	94
	299D	A, B, C, D, E, F	Solid Tantalum Capacitor - Solid-Electrolyte TANTALEX®: Tripole®, triple lead. Resin-coated - conformal coating. Miniature. High performance. The anole lead is in the center while both outside leads are cathode leads. The three-lead design makes backwards insertion impossible. Tape and reel packaging per EIA-468.	98
	790D	A, B, C, D	Solid Tantalum Capacitor - precisely molded with a flame retardant expoxy resin coating. Four case sizes with stand-off leads. Low leakage current, low impedance and extended value ranges available	113
	ETPW	1A, 1B, 2C, 2D, 2E, 3F, 3G, 4H, 5J, 5K, 5L, 6M, 6N, 6P, 6R	Solid Tantalum Capacitor - resin coated with flame retardant encapsulation, practically without expoxy run down. Radial lead. Improved humidity class and low leakage current. Very high CV product, low failure rate and high operational stability	120
	ETQW	1, 2, 3, 4, 5, 6	Solid Tantalum Capacitor - resin coated with flame retardant encapsulation, practically without expoxy run down. Radial lead. Improved humidity class and low leakage current. Very high CV product, low failure rate and high operational stability	127