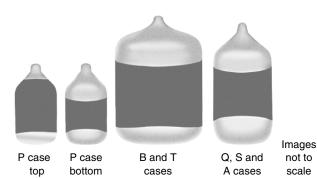
### Vishay Sprague



# Solid Tantalum Chip Capacitors TANTAMOUNT®, Low Profile, Conformal Coated, Maximum CV



## **FEATURES**

P case offers single-sided lead (Pb)-free terminations



 Wraparound lead (Pb)-free terminations: Q, S, A, B and T ROHS COMPLIAN

- Low Impedance
- 8 mm and 12 mm tape and reel packaging available per EIA-481-1 and reeling per IEC 286-3
   7" [178 mm] standard
   13" [330 mm] available
- Compliant to RoHS directive 2002/95/EC

#### PERFORMANCE CHARACTERISTICS

Operating Temperature: - 55 °C to + 85 °C

(to + 125 °C with voltage derating)

Note

• Refer to Doc. 40088

Capacitance Range: 2.2 μF to 220 μF

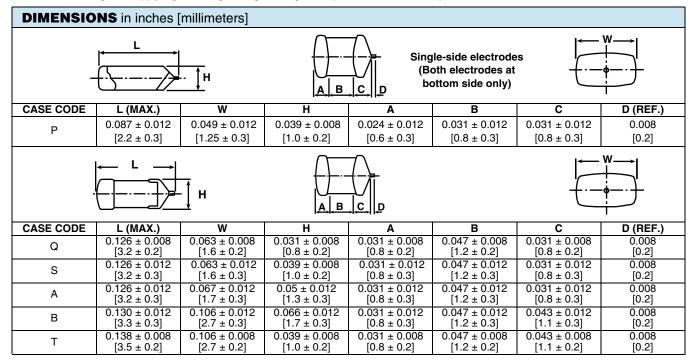
Capacitance Tolerance: ± 10 %, ± 20 % standard

Voltage Rating: 4 WVDC to 25 WVDC

ORDERING INFORMATION								
572D	336	X0	6R3	Α	2	T		
TYPE	CAPACITANCE	CAPACITANCE TOLERANCE	DC VOLTAGE RATING AT + 85 °C	CASE CODE	TERMINATION	REEL SIZE AND PACKAGING		
	This is expressed in picofarads. The first two digits are the significant figures. The third is the number of zeros to follow.	X0 = ± 20 % X9 = ± 10 %	This is expressed in volts. To complete the three-digit block, zeros precede the voltage rating. A decimal point is indicated by an "R" (6R3 = 6.3 V).	See Ratings and Case Codes Table	2 = 100 % Tin 4 = Gold Plated	T = Tape and Reel 7" [178 mm] Reel W = 13" [330 mm] Reel		

#### **Notes**

- Preferred tolerance and reel sizes are in bold
- · We reserve the right to supply higher voltage ratings and tighter capacitance tolerance capacitors in the same case size



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For technical questions, contact: tantalum@vishay.com

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RATINGS AND CASE CODES								
μF	4 V	6.3 V	10 V	16 V	25 V	35 V		
2.2					Q	Α		
4.7					A/S			
6.8								
10			Р	Р	Α			
15								
22				A/B/T				
33	Р	A/P/Q/S	P/A/S					
47		Q/S	S					
68		S	В					
100		A/B/T/S	B/T					
220	B/B (2)/T/S	В						
330	T (1)	•						

CAPACITANCE (µF)	CASE CODE	PART NUMBER	MAX. DCL AT + 25 °C (μΑ)	MAX. DF AT + 25 °C 120 Hz (%)	MAX. ESR AT + 25 °C 100 kHz (Ω)	MAX. RIPPLE 100 kHz I <sub>rms</sub> (A)
		4 WVDC AT + 8	85 °C, 2.7 WVDC	. , ,	(-)	illo ( /
33	Р	572D336X 004P2 001 <sup>(2)</sup>	1.32	14	1.5	0.13
220	В	572D227X_004B2_	8.8	16	0.2	0.63
220	В	572D227X_004B2_001 <sup>(2)</sup>	8.8	16	0.2	0.63
220	Т	572D227X0004T2	8.8	26	0.6	0.37
220	S	572D227X0004S2	8.8	25	0.8	0.26
330 <sup>(1)</sup>	T(1)	572D337X 004T2 (1)	13.2 <sup>(1)</sup>	26 <sup>(1)</sup>	0.8 (1)	0.56 (1)
000			85 °C, 4 WVDC A		0.0	0.00
33	Α	572D336X_6R3A2_	2.1	8	0.8	0.29
33	Р	572D336X06R3P2	2.1	14	1.5	0.13
33	Q	572D336X 6R3Q2	2.1	10	2.0	0.17
33	S	572D336X 6R3S2	2.1	10	1.0	0.24
47	Q	572D476X06R3Q2	3.0	10	1.1	0.22
47	S	572D476X_6R3S2_	3.0	10	0.9	0.25
68	S	572D686X06R3S2	4.3	12	0.9	0.26
100	Ä	572D107X06R3A2	6.3	14	0.5	0.36
100	В	572D107X 6R3B2	6.3	14	0.4	0.45
100	Ť	572D107X_6R3T2	6.3	14	0.5	0.36
100	S	572D107X_6R3S2	6.3	20	1.0	0.24
220	В	572D227X 6R3B2	13.9	16	0.2	0.63
			+ 85 °C, 7 WVDC A		V.=	0.00
10	Р	572D106X 010P2	1.0	8	3.0	0.09
33	Р	572D336X0010P2	3.3	25	4.0	0.08
33	Α	572D336X0010A2	3.3	10	0.8	0.29
33	S	572D336X0010S2	3.3	10	1.1	0.23
47	S	572D476X0010S2	4.7	14	1.1	0.23
68	В	572D686X 010B2	6.8	6	0.45	0.42
100	В	572D107X0010B2	10	14	0.4	0.45
100	T	572D107X0010T2	10.0	18	0.5	0.40
			85 °C, 10 WVDC	• • • • • • • • • • • • • • • • • • • •		00
10	Р	572D106X_016P2_	1.6	10	4.0	0.08
22	A	572D226X_016A2_	3.5	8	1.4	0.22
22	В	572D226X 016B2	3.5	6	0.5	0.45
22	T	572D226X_016T2_	3.5	8	1.0	0.24
			85 °C, 17 WVDC			0.2.
2.2	Q	572D225X 025Q2	0.65	6	5.0	0.10
4.7	Ā	572D475X 025A2	1.2	6	2.0	0.18
4.7	S	572D475X 025S2	1.2	8	4.0	0.12
10	A	572D106X 025A2	2.5	10	3.5	0.15
			85 °C. 23 WVDC			00
2.2	Α	572D225X 035A2	0.8	6	3.0	0.12

#### Notes

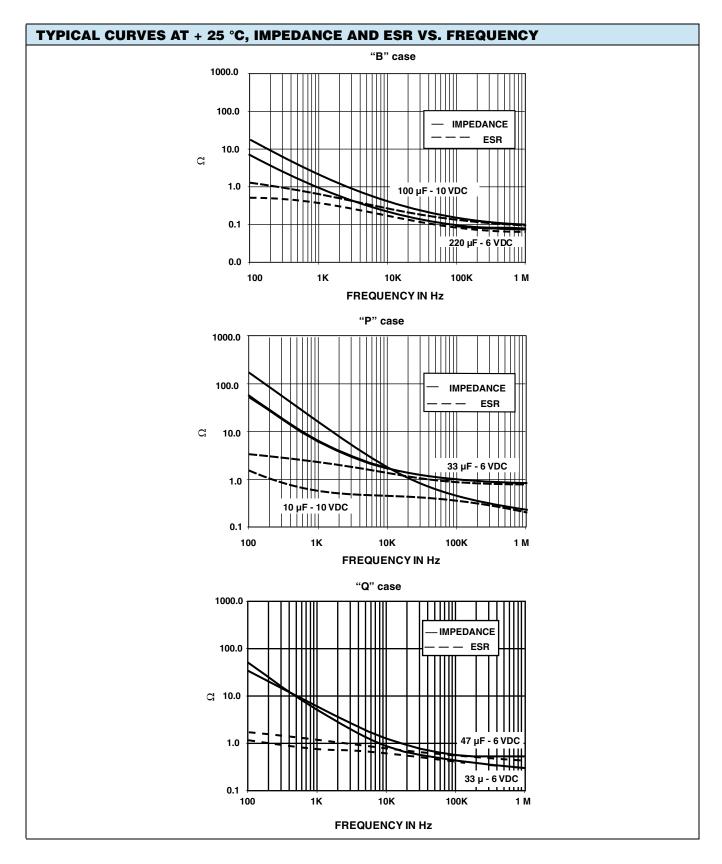
<sup>(1)</sup> Contact factory for availability

 $<sup>^{(2)}</sup> Special \ height: 572D227X\_004B2\_001, \ height = 1.7 \ mm \ max.; 572D336X\_004P2\_001, \ height = 1.0 \ mm \ max.$ 

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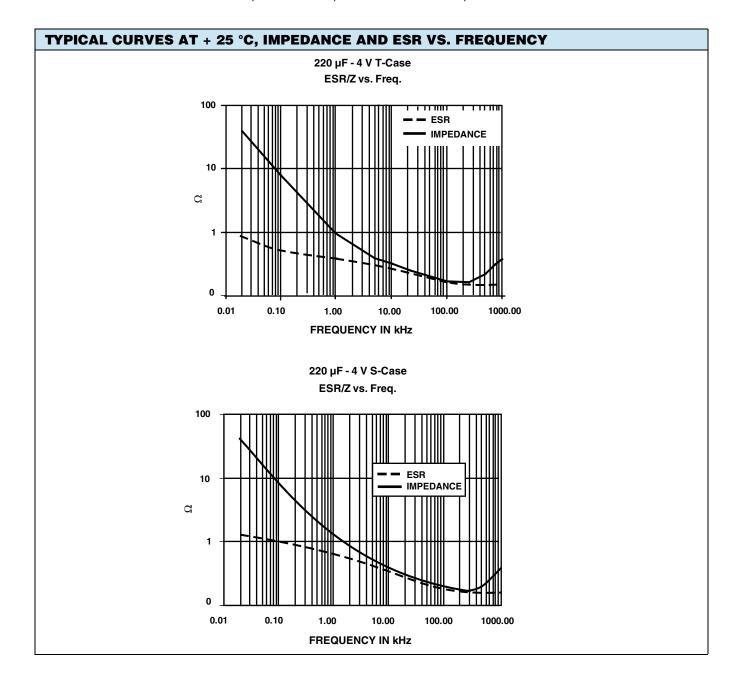
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