

Solid Tantalum Surface Mount Capacitors TANTAMOUNT[®] Molded Case, CECC Approved


FEATURES

- Terminations: 100 % matte tin, standard, tin/lead available
- Compliant terminations
- Molded case available in four case codes
- Compatible with “High Volume” automatic pick and place equipment
- Optical character recognition qualified
- CECC
30801/005 - 793DX
30801/009 - CTC3
30801/011 - CTC4
30801/801 - 793DE


 Available
RoHS*
 COMPLIANT

Note

* Pb containing terminations are not RoHS compliant, exemptions may apply

PERFORMANCE/ELECTRICAL CHARACTERISTICS
Operating Temperature: - 55 °C to + 125 °C

Capacitance Range: 0.10 µF to 100 µF

Capacitance Tolerance: ± 10 %, ± 20 %

Voltage Rating: 4 V_{DC} to 50 V_{DC}

ORDERING INFORMATION					
793DX TYPE	106 CAPACITANCE	X0 CAPACITANCE TOLERANCE	010 DC VOLTAGE RATING AT + 85 °C	B CASE CODE	2WE3 TERMINATION AND PACKAGING
793DE CTC3 CTC4	This is expressed in picofarads. The first two digits are the significant figures. The third is the number of zeros to follow.	X9 = ± 10 % X0 = ± 20 %	This is expressed in V. 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.	2TE3: Matte tin, 7" (178 mm) reel 2WE3: Matte tin, 13" (330 mm) reel 8T: Tin/lead, 7" (178 mm) reel 8W: Tin/lead, 13" (330 mm) reel

Note

- We reserve the right to supply higher voltage ratings and tighter capacitance tolerance capacitors in the same case size. Voltage substitutions will be marked with the higher voltage rating. Effective July 15, 2008, part numbers with solderable termination codes “2T” and “2W” may have either matte tin or tin/lead terminations. Codes 2TE3 and 2WE3 specify only matte tin terminations. Codes 8T and 8W specify only tin/lead terminations.

DIMENSIONS in inches [millimeters]							
CASE CODE	EIA SIZE	L	W	H	P	Tw	TH (MIN.)
A	3216-18	0.126 ± 0.008 [3.2 ± 0.20]	0.063 ± 0.008 [1.6 ± 0.20]	0.063 ± 0.008 [1.6 ± 0.20]	0.031 ± 0.012 [0.80 ± 0.30]	0.047 ± 0.004 [1.2 ± 0.10]	0.028 [0.70]
B	3528-21	0.138 ± 0.008 [3.5 ± 0.20]	0.110 ± 0.008 [2.8 ± 0.20]	0.075 ± 0.008 [1.9 ± 0.20]	0.031 ± 0.012 [0.80 ± 0.30]	0.087 ± 0.004 [2.2 ± 0.10]	0.028 [0.70]
C	6032-28	0.236 ± 0.012 [6.0 ± 0.30]	0.126 ± 0.012 [3.2 ± 0.30]	0.098 ± 0.012 [2.5 ± 0.30]	0.051 ± 0.012 [1.3 ± 0.30]	0.087 ± 0.004 [2.2 ± 0.10]	0.039 [1.0]
D	7343-31	0.287 ± 0.012 [7.3 ± 0.30]	0.170 ± 0.012 [4.3 ± 0.30]	0.110 ± 0.012 [2.8 ± 0.30]	0.051 ± 0.012 [1.3 ± 0.30]	0.095 ± 0.004 [2.4 ± 0.10]	0.039 [1.0]

RATINGS AND CASE CODES								
C _R (μF)	RATED VOLTAGE U _R (V) (+ 85 °C)							
	4 V	6.3 V	10 V	16 V	20 V	25 V	35 V	50 V
	CATEGORY VOLTAGE U _C (V) (+ 125 °C)							
	2.7 V	4 V	7 V	10 V	13 V	17 V	23 V	33 V
0.10							A	A
0.15							A	B
0.22							A	B
0.33							A	B
0.47						A	B	B
0.68					A	A ⁽¹⁾	B	C
1.0				A	A ⁽¹⁾		B	C
1.5			A	A ⁽¹⁾		B	C	D
2.2		A	A ⁽¹⁾		B	B ⁽¹⁾	C	D
3.3	A	A ⁽¹⁾		B	B ⁽¹⁾		C	D
4.7	A ⁽¹⁾		B	B ⁽¹⁾		C	D	D
6.8		B	B ⁽¹⁾		C		D	
10	B	B ⁽¹⁾		C		D	D	
15	B ⁽¹⁾		C		D	D		
22		C		D	D			
33	C		D	D				
47		D	D					
68	D	D						
100	D							

Note

(1) Available as 793DE part numbers only

MARKING																			
	"A" CASE VOLTAGE CODE																		
	<table border="1"> <thead> <tr> <th>VOLTS</th> <th>CODE</th> </tr> </thead> <tbody> <tr><td>4.0</td><td>G</td></tr> <tr><td>6.3</td><td>J</td></tr> <tr><td>10</td><td>A</td></tr> <tr><td>16</td><td>C</td></tr> <tr><td>20</td><td>D</td></tr> <tr><td>25</td><td>E</td></tr> <tr><td>35</td><td>V</td></tr> <tr><td>50</td><td>T</td></tr> </tbody> </table>		VOLTS	CODE	4.0	G	6.3	J	10	A	16	C	20	D	25	E	35	V	50
VOLTS	CODE																		
4.0	G																		
6.3	J																		
10	A																		
16	C																		
20	D																		
25	E																		
35	V																		
50	T																		

Marking:

Capacitor marking includes an anode (+) polarity band, capacitance in microfarads and the voltage rating. "A" case size capacitors use a letter code for the voltage and EIA capacitance code.

The Vishay Sprague® trademark is shown if space permits. Capacitors rated at 6.3 V shall be marked 6 V.

A manufacturing date code is marked on all capacitors.

Call the factory for further explanation.



STANDARD RATINGS							
CAPACITANCE (μF)	CASE CODE	PART NUMBER	MAX. DC LEAKAGE AT + 25 °C (μA)	MAX. DF AT + 25 °C (%)	MAX. ESR AT + 25 °C 100 kHz (Ω)	IMPEDANCE (Z) AT + 25 °C 100 kHz (Ω)	MAX. RIPPLE 100 kHz I _{RMS} (A)
4 V_{DC} AT + 85 °C; 2.7 V_{DC} AT + 125 °C							
3.3	A	793DX335(1)004A(2)	0.5	6	7.6	9.0	0.10
3.3	A	793DE335(1)004A(2)	0.5	6	7.6	9.0	0.10
3.3	A	CTC3335(1)004A(2)	0.5	6	7.6	9.0	0.10
3.3	A	CTC4335(1)004A(2)	0.5	6	7.6	9.0	0.10
4.7	A	793DE475(1)004A(2)	0.5	6	6.3	8.0	0.11
10	B	793DX106(1)004B(2)	0.5	6	3.5	4.5	0.12
10	B	793DE106(1)004B(2)	0.5	6	3.5	4.5	0.12
10	B	CTC3106(1)004B(2)	0.5	6	3.5	4.5	0.12
10	B	CTC4106(1)004B(2)	0.5	6	3.5	4.5	0.12
15	B	793DE156(1)004B(2)	0.6	6	2.9	3.8	0.17
33	C	793DX336(1)004C(2)	1.3	6	1.8	2.4	0.25
33	C	793DE336(1)004C(2)	1.3	6	1.8	2.4	0.25
33	C	CTC3336(1)004C(2)	1.3	6	1.8	2.4	0.25
33	C	CTC4336(1)004C(2)	1.3	6	1.8	2.4	0.25
68	D	793DX686(1)004D(2)	2.7	6	0.8	1.3	0.43
68	D	793DE686(1)004D(2)	2.7	6	0.8	1.3	0.43
68	D	CTC3686(1)004D(2)	2.7	6	0.8	1.3	0.43
68	D	CTC4686(1)004D(2)	2.7	6	0.8	1.3	0.43
100	D	793DX107(1)004D(2)	4.0	6	0.7	1.0	0.46
100	D	793DE107(1)004D(2)	4.0	6	0.7	1.0	0.46
100	D	CTC3107(1)004D(2)	4.0	6	0.7	1.0	0.46
100	D	CTC4107(1)004D(2)	4.0	6	0.7	1.0	0.46
6.3 V_{DC} AT + 85 °C; 4 V_{DC} AT + 125 °C							
2.2	A	793DX225(1)6R3A(2)	0.5	6	7.6	10.0	0.10
2.2	A	793DE225(1)6R3A(2)	0.5	6	7.6	10.0	0.10
2.2	A	CTC3225(1)6R3A(2)	0.5	6	7.6	10.0	0.10
2.2	A	CTC4225(1)6R3A(2)	0.5	6	7.6	10.0	0.10
3.3	A	793DE335(1)6R3A(2)	0.5	6	6.3	8.0	0.11
6.8	B	793DX685(1)6R3B(2)	0.5	6	3.4	4.5	0.16
6.8	B	793DE685(1)6R3B(2)	0.5	6	3.4	4.5	0.16
6.8	B	CTC3685(1)6R3B(2)	0.5	6	3.4	4.5	0.16
6.8	B	CTC4685(1)6R3B(2)	0.5	6	3.4	4.5	0.16
10	B	793DE106(1)6R3B(2)	0.6	6	2.9	3.8	0.17
22	C	793DX226(1)6R3C(2)	1.3	6	1.8	2.4	0.25
22	C	793DE226(1)6R3C(2)	1.3	6	1.8	2.4	0.25
22	C	CTC3226(1)6R3C(2)	1.3	6	1.8	2.4	0.25
22	C	CTC4226(1)6R3C(2)	1.3	6	1.8	2.4	0.25
47	D	793DX476(1)6R3D(2)	2.8	6	0.8	1.3	0.43
47	D	793DE476(1)6R3D(2)	2.8	6	0.8	1.3	0.43
47	D	CTC3476(1)6R3D(2)	2.8	6	0.8	1.3	0.43
47	D	CTC4476(1)6R3D(2)	2.8	6	0.8	1.3	0.43
68	D	793DX686(1)6R3D(2)	4.1	6	0.7	1.0	0.46
68	D	793DE686(1)6R3D(2)	4.1	6	0.7	1.0	0.46
68	D	CTC3686(1)6R3D(2)	4.1	6	0.7	1.0	0.46
68	D	CTC4686(1)6R3D(2)	4.1	6	0.7	1.0	0.46

Note

- Part number definitions:
 - (1) Tolerance: X0, X9
 - (2) Terminations and packaging: 2TE3, 2WE3, 8T, 8W



STANDARD RATINGS							
CAPACITANCE (μF)	CASE CODE	PART NUMBER	MAX. DC LEAKAGE AT + 25 °C (μA)	MAX. DF AT + 25 °C (%)	MAX. ESR AT + 25 °C 100 kHz (Ω)	IMPEDANCE (Z) AT + 25 °C 100 kHz (Ω)	MAX. RIPPLE 100 kHz I _{RMS} (A)
10 V_{DC} AT + 85 °C; 7 V_{DC} AT + 125 °C							
1.5	A	793DX155(1)010A(2)	0.5	6	8.0	10.5	0.10
1.5	A	793DE155(1)010A(2)	0.5	6	8.0	10.5	0.10
1.5	A	CTC3155(1)010A(2)	0.5	6	8.0	10.5	0.10
1.5	A	CTC4155(1)010A(2)	0.5	6	8.0	10.5	0.10
2.2	A	793DE225(1)010A(2)	0.5	6	6.3	8.0	0.11
4.7	B	793DX475(1)010B(2)	0.5	6	3.4	4.5	0.16
4.7	B	793DE475(1)010B(2)	0.5	6	3.4	4.5	0.16
4.7	B	CTC3475(1)010B(2)	0.5	6	3.4	4.5	0.16
4.7	B	CTC4475(1)010B(2)	0.5	6	3.4	4.5	0.16
6.8	B	793DE685(1)010B(2)	0.7	6	2.9	3.8	0.17
15	C	793DX156(1)010C(2)	1.5	6	1.8	2.5	0.25
15	C	793DE156(1)010C(2)	1.5	6	1.8	2.5	0.25
15	C	CTC3156(1)010C(2)	1.5	6	1.8	2.5	0.25
15	C	CTC4156(1)010C(2)	1.5	6	1.8	2.5	0.25
33	D	793DX336(1)010D(2)	3.3	6	0.8	1.3	0.43
33	D	793DE336(1)010D(2)	3.3	6	0.8	1.3	0.43
33	D	CTC3336(1)010D(2)	3.3	6	0.8	1.3	0.43
33	D	CTC4336(1)010D(2)	3.3	6	0.8	1.3	0.43
47	D	793DX476(1)010D(2)	4.7	6	0.7	1.0	0.46
47	D	793DE476(1)010D(2)	4.7	6	0.7	1.0	0.46
47	D	CTC3476(1)010D(2)	4.7	6	0.7	1.0	0.46
47	D	CTC4476(1)010D(2)	4.7	6	0.7	1.0	0.46
16 V_{DC} AT + 85 °C; 10 V_{DC} AT + 125 °C							
1.0	A	793DX105(1)016A(2)	0.5	4	9.3	11.0	0.09
1.0	A	793DE105(1)016A(2)	0.5	4	9.3	11.0	0.09
1.0	A	CTC3105(1)016A(2)	0.5	4	9.3	11.0	0.09
1.0	A	CTC4105(1)016A(2)	0.5	4	9.3	11.0	0.09
1.5	A	793DE155(1)016A(2)	0.5	6	6.7	9.0	0.11
3.3	B	793DX335(1)016B(2)	0.5	6	3.5	5.0	0.16
3.3	B	793DE335(1)016B(2)	0.5	6	3.5	5.0	0.16
3.3	B	CTC3335(1)016B(2)	0.5	6	3.5	5.0	0.16
3.3	B	CTC4335(1)016B(2)	0.5	6	3.5	5.0	0.16
4.7	B	793DE475(1)016B(2)	0.8	6	2.9	4.0	0.17
10	C	793DX106(1)016C(2)	1.6	6	1.8	2.5	0.25
10	C	793DE106(1)016C(2)	1.6	6	1.8	2.5	0.25
10	C	CTC3106(1)016C(2)	1.6	6	1.8	2.5	0.25
10	C	CTC4106(1)016C(2)	1.6	6	1.8	2.5	0.25
22	D	793DX226(1)016D(2)	3.5	6	0.8	1.5	0.43
22	D	793DE226(1)016D(2)	3.5	6	0.8	1.5	0.43
22	D	CTC3226(1)016D(2)	3.5	6	0.8	1.5	0.43
22	D	CTC4226(1)016D(2)	3.5	6	0.8	1.5	0.43
33	D	793DX336(1)016D(2)	5.3	6	0.7	1.2	0.46
33	D	793DE336(1)016D(2)	5.3	6	0.7	1.2	0.46
33	D	CTC3336(1)016D(2)	5.3	6	0.7	1.2	0.46
33	D	CTC4336(1)016D(2)	5.3	6	0.7	1.2	0.46

Note

- Part number definitions:
 - (1) Tolerance: X0, X9
 - (2) Terminations and packaging: 2TE3, 2WE3, 8T, 8W



STANDARD RATINGS							
CAPACITANCE (μ F)	CASE CODE	PART NUMBER	MAX. DC LEAKAGE AT + 25 °C (μ A)	MAX. DF AT + 25 °C (%)	MAX. ESR AT + 25 °C 100 kHz (Ω)	IMPEDANCE (Z) AT + 25 °C 100 kHz (Ω)	MAX. RIPPLE 100 kHz I_{RMS} (A)
20 V_{DC} AT + 85 °C; 13 V_{DC} AT + 125 °C							
0.68	A	793DX684(1)020A(2)	0.5	4	10	13.0	0.09
0.68	A	793DE684(1)020A(2)	0.5	4	10	13.0	0.09
0.68	A	CTC3684(1)020A(2)	0.5	4	10	13.0	0.09
0.68	A	CTC4684(1)020A(2)	0.5	4	10	13.0	0.09
1.0	A	793DE105(1)020A(2)	0.5	4	8.4	11.0	0.09
2.2	B	793DX225(1)020B(2)	0.5	6	3.5	6.0	0.16
2.2	B	793DE225(1)020B(2)	0.5	6	3.5	6.0	0.16
2.2	B	CTC3225(1)020B(2)	0.5	6	3.5	6.0	0.16
2.2	B	CTC4225(1)020B(2)	0.5	6	3.5	6.0	0.16
3.3	B	793DE335(1)020B(2)	0.7	6	3.0	4.5	0.17
6.8	C	793DX685(1)020C(2)	1.4	6	1.9	2.5	0.24
6.8	C	793DE685(1)020C(2)	1.4	6	1.9	2.5	0.24
6.8	C	CTC3685(1)020C(2)	1.4	6	1.9	2.5	0.24
6.8	C	CTC4685(1)020C(2)	1.4	6	1.9	2.5	0.24
15	D	793DX156(1)020D(2)	3.0	6	0.9	1.5	0.41
15	D	793DE156(1)020D(2)	3.0	6	0.9	1.5	0.41
15	D	CTC3156(1)020D(2)	3.0	6	0.9	1.5	0.41
15	D	CTC4156(1)020D(2)	3.0	6	0.9	1.5	0.41
22	D	793DX226(1)020D(2)	4.4	6	0.7	1.2	0.46
22	D	793DE226(1)020D(2)	4.4	6	0.7	1.2	0.46
22	D	CTC3226(1)020D(2)	4.4	6	0.7	1.2	0.46
22	D	CTC4226(1)020D(2)	4.4	6	0.7	1.2	0.46
25 V_{DC} AT + 85 °C; 16 V_{DC} AT + 125 °C							
0.47	A	793DX474(1)025A(2)	0.5	4	12	14.0	0.08
0.47	A	793DE474(1)025A(2)	0.5	4	12	14.0	0.08
0.47	A	CTC3474(1)025A(2)	0.5	4	12	14.0	0.08
0.47	A	CTC4474(1)025A(2)	0.5	4	12	14.0	0.08
0.68	A	793DE474(1)025A(2)	0.5	4	8.4	11.0	0.09
1.5	B	793DX155(1)025A(2)	0.5	6	4.6	7.0	0.14
1.5	B	793DX155(1)025A(2)	0.5	6	4.6	7.0	0.14
1.5	B	CTC3155(1)025A(2)	0.5	6	4.6	7.0	0.14
1.5	B	CTC4155(1)025A(2)	0.5	6	4.6	7.0	0.14
2.2	B	793DE225(1)025B(2)	0.6	6	3.8	5.0	0.15
4.7	C	793DX475(1)025C(2)	1.2	6	2.0	2.8	0.24
4.7	C	793DE475(1)025C(2)	1.2	6	2.0	2.8	0.24
4.7	C	CTC3475(1)025C(2)	1.2	6	2.0	2.8	0.24
4.7	C	CTC4475(1)025C(2)	1.2	6	2.0	2.8	0.24
10	D	793DX106(1)025D(2)	2.5	6	1.0	1.5	0.39
10	D	793DE106(1)025D(2)	2.5	6	1.0	1.5	0.39
10	D	CTC3106(1)025D(2)	2.5	6	1.0	1.5	0.39
10	D	CTC4106(1)025D(2)	2.5	6	1.0	1.5	0.39
15	D	793DX156(1)025D(2)	3.8	6	0.8	1.2	0.43
15	D	793DE156(1)025D(2)	3.8	6	0.8	1.2	0.43
15	D	CTC3156(1)025D(2)	3.8	6	0.8	1.2	0.43
15	D	CTC4156(1)025D(2)	3.8	6	0.8	1.2	0.43

Note

- Part number definitions:
 - (1) Tolerance: X0, X9
 - (2) Terminations and packaging: 2TE3, 2WE3, 8T, 8W



STANDARD RATINGS							
CAPACITANCE (μ F)	CASE CODE	PART NUMBER	MAX. DC LEAKAGE AT + 25 °C (μ A)	MAX. DF AT + 25 °C (%)	MAX. ESR AT + 25 °C 100 kHz (Ω)	IMPEDANCE (Z) AT + 25 °C 100 kHz (Ω)	MAX. RIPPLE 100 kHz I_{RMS} (A)
35 V _{DC} AT + 85 °C; 23 V _{DC} AT + 125 °C							
0.10	A	793DX104(1)035A(2)	0.5	4	20	28.0	0.06
0.10	A	793DE104(1)035A(2)	0.5	4	20	28.0	0.06
0.10	A	CTC3104(1)035A(2)	0.5	4	20	28.0	0.06
0.10	A	CTC4104(1)035A(2)	0.5	4	20	28.0	0.06
0.15	A	793DX154(1)035A(2)	0.5	4	18	23.0	0.07
0.15	A	793DE154(1)035A(2)	0.5	4	18	23.0	0.07
0.15	A	CTC3154(1)035A(2)	0.5	4	18	23.0	0.07
0.15	A	CTC4154(1)035A(2)	0.5	4	18	23.0	0.07
0.22	A	793DX224(1)035A(2)	0.5	4	15	19.0	0.07
0.22	A	793DE224(1)035A(2)	0.5	4	15	19.0	0.07
0.22	A	CTC3224(1)035A(2)	0.5	4	15	19.0	0.07
0.22	A	CTC4224(1)035A(2)	0.5	4	15	19.0	0.07
0.33	A	793DX334(1)035A(2)	0.5	4	13	15.0	0.08
0.33	A	793DE334(1)035A(2)	0.5	4	13	15.0	0.08
0.33	A	CTC3334(1)035A(2)	0.5	4	13	15.0	0.08
0.33	A	CTC4334(1)035A(2)	0.5	4	13	15.0	0.08
0.47	B	793DX474(1)035B(2)	0.5	4	10	11.0	0.09
0.47	B	793DE474(1)035B(2)	0.5	4	10	11.0	0.09
0.47	B	CTC3474(1)035B(2)	0.5	4	10	11.0	0.09
0.47	B	CTC4474(1)035B(2)	0.5	4	10	11.0	0.09
0.68	B	793DX684(1)035B(2)	0.5	4	6.5	8.0	0.11
0.68	B	793DE684(1)035B(2)	0.5	4	6.5	8.0	0.11
0.68	B	CTC3684(1)035B(2)	0.5	4	6.5	8.0	0.11
0.68	B	CTC4684(1)035B(2)	0.5	4	6.5	8.0	0.11
1.0	B	793DX105(1)035B(2)	0.5	4	5.0	7.0	0.13
1.0	B	793DE105(1)035B(2)	0.5	4	5.0	7.0	0.13
1.0	B	CTC3105(1)035B(2)	0.5	4	5.0	7.0	0.13
1.0	B	CTC4105(1)035B(2)	0.5	4	5.0	7.0	0.13
1.5	C	793DX155(1)035C(2)	0.5	6	3.8	6.0	0.17
1.5	C	793DE155(1)035C(2)	0.5	6	3.8	6.0	0.17
1.5	C	CTC3155(1)035C(2)	0.5	6	3.8	6.0	0.17
1.5	C	CTC4155(1)035C(2)	0.5	6	3.8	6.0	0.17
2.2	C	793DX225(1)035C(2)	0.8	6	2.9	4.0	0.20
2.2	C	793DE225(1)035C(2)	0.8	6	2.9	4.0	0.20
2.2	C	CTC3225(1)035C(2)	0.8	6	2.9	4.0	0.20
2.2	C	CTC4225(1)035C(2)	0.8	6	2.9	4.0	0.20
3.3	C	793DX335(1)035C(2)	1.2	6	2.1	3.0	0.23
3.3	C	793DE335(1)035C(2)	1.2	6	2.1	3.0	0.23
3.3	C	CTC3335(1)035C(2)	1.2	6	2.1	3.0	0.23
3.3	C	CTC4335(1)035C(2)	1.2	6	2.1	3.0	0.23
4.7	D	793DX475(1)035D(2)	1.6	6	1.3	1.8	0.34
4.7	D	793DE475(1)035D(2)	1.6	6	1.3	1.8	0.34
4.7	D	CTC3475(1)035D(2)	1.6	6	1.3	1.8	0.34
4.7	D	CTC4475(1)035D(2)	1.6	6	1.3	1.8	0.34
6.8	D	793DX685(1)0035D(2)	2.4	6	1.1	1.5	0.37
6.8	D	793DE685(1)0035D(2)	2.4	6	1.1	1.5	0.37
6.8	D	CTC3685(1)0035D(2)	2.4	6	1.1	1.5	0.37
6.8	D	CTC4685(1)0035D(2)	2.4	6	1.1	1.5	0.37
10	D	793DX106(1)035D(2)	3.5	6	0.8	1.2	0.43
10	D	793DE106(1)035D(2)	3.5	6	0.8	1.2	0.43
10	D	CTC3106(1)035D(2)	3.5	6	0.8	1.2	0.43
10	D	CTC4106(1)035D(2)	3.5	6	0.8	1.2	0.43

Note

- Part number definitions:
 - Tolerance: X0, X9
 - Terminations and packaging: 2TE3, 2WE3, 8T, 8W



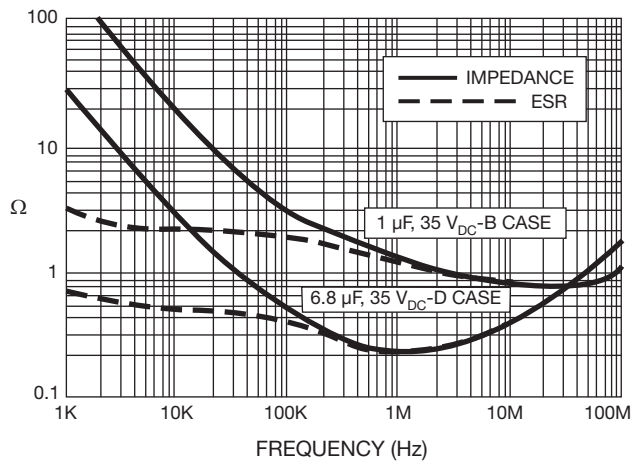
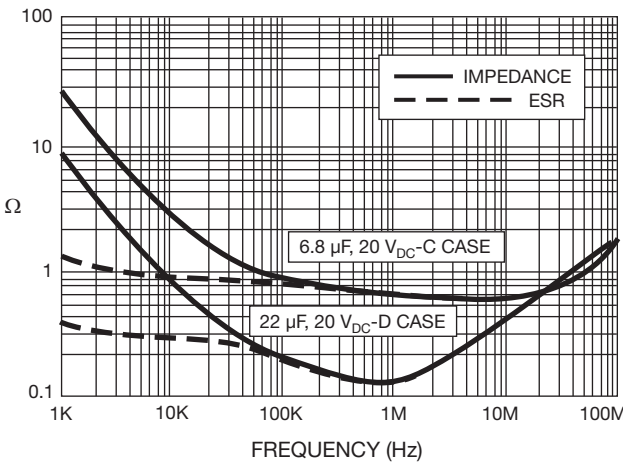
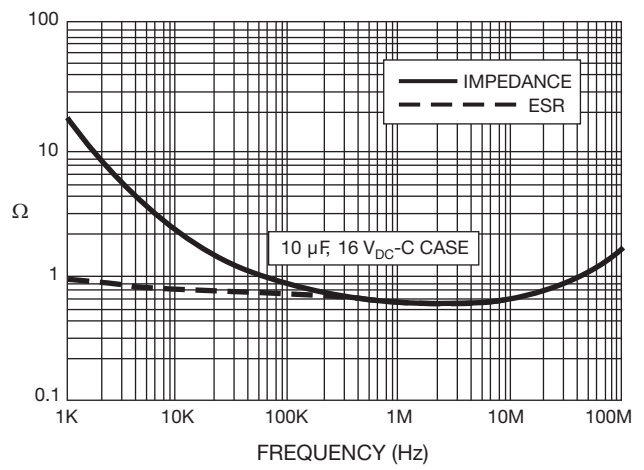
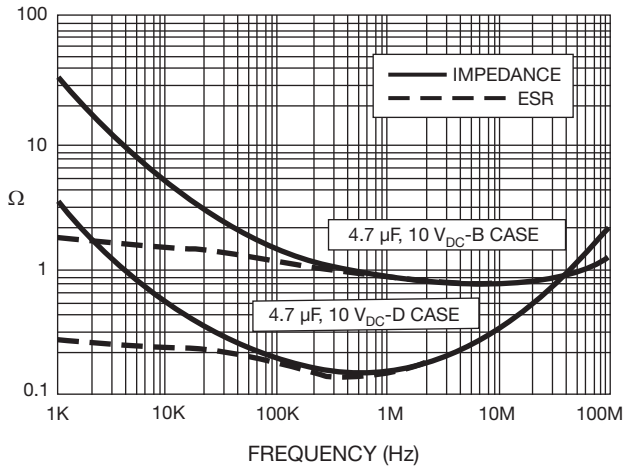
STANDARD RATINGS							
CAPACITANCE (μ F)	CASE CODE	PART NUMBER	MAX. DC LEAKAGE AT + 25 °C (μ A)	MAX. DF AT + 25 °C (%)	MAX. ESR AT + 25 °C 100 kHz (Ω)	IMPEDANCE (Z) AT + 25 °C 100 kHz (Ω)	MAX. RIPPLE 100 kHz I_{RMS} (A)
50 V_{DC} AT + 85 °C; 33 V_{DC} AT + 125 °C							
0.10	A	793DX104(1)050A(2)	0.5	4	19	27.0	0.06
0.10	A	793DE104(1)050A(2)	0.5	4	19	27.0	0.06
0.10	A	CTC3104(1)050A(2)	0.5	4	19	27.0	0.06
0.10	A	CTC4104(1)050A(2)	0.5	4	19	27.0	0.06
0.15	B	793DX154(1)050B(2)	0.5	4	14	22.0	0.08
0.15	B	793DE154(1)050B(2)	0.5	4	14	22.0	0.08
0.15	B	CTC3154(1)050B(2)	0.5	4	14	22.0	0.08
0.15	B	CTC4154(1)050B(2)	0.5	4	14	22.0	0.08
0.22	B	793DX224(1)0050B(2)	0.5	4	12	18.0	0.08
0.22	B	793DE224(1)0050B(2)	0.5	4	12	18.0	0.08
0.22	B	CTC3224(1)0050B(2)	0.5	4	12	18.0	0.08
0.22	B	CTC4224(1)0050B(2)	0.5	4	12	18.0	0.08
0.33	B	793DX334(1)050B(2)	0.5	4	10	14.0	0.09
0.33	B	793DE334(1)050B(2)	0.5	4	10	14.0	0.09
0.33	B	CTC3334(1)050B(2)	0.5	4	10	14.0	0.09
0.33	B	CTC4334(1)050B(2)	0.5	4	10	14.0	0.09
0.47	C	793DX474(1)050C(2)	0.5	4	6.7	9.0	0.13
0.47	C	793DE474(1)050C(2)	0.5	4	6.7	9.0	0.13
0.47	C	CTC3474(1)050C(2)	0.5	4	6.7	9.0	0.13
0.47	C	CTC4474(1)050C(2)	0.5	4	6.7	9.0	0.13
0.68	C	793DX684(1)050C(2)	0.5	4	5.9	7.0	0.14
0.68	C	793DE684(1)050C(2)	0.5	4	5.9	7.0	0.14
0.68	C	CTC3684(1)050C(2)	0.5	4	5.9	7.0	0.14
0.68	C	CTC4684(1)050C(2)	0.5	4	5.9	7.0	0.14
1.0	C	793DX105(1)050C(2)	0.5	4	4.6	6.0	0.16
1.0	C	793DE105(1)050C(2)	0.5	4	4.6	6.0	0.16
1.0	C	CTC3105(1)050C(2)	0.5	4	4.6	6.0	0.16
1.0	C	CTC4105(1)050C(2)	0.5	4	4.6	6.0	0.16
1.5	D	793DX155(1)050D(2)	0.8	6	2.9	5.0	0.25
1.5	D	793DE155(1)050D(2)	0.8	6	2.9	5.0	0.25
1.5	D	CTC3155(1)050D(2)	0.8	6	2.9	5.0	0.25
1.5	D	CTC4155(1)050D(2)	0.8	6	2.9	5.0	0.25
2.2	D	793DX225(1)050D(2)	1.1	6	2.1	3.5	0.27
2.2	D	793DE225(1)050D(2)	1.1	6	2.1	3.5	0.27
2.2	D	CTC3225(1)050D(2)	1.1	6	2.1	3.5	0.27
2.2	D	CTC4225(1)050D(2)	1.1	6	2.1	3.5	0.27
3.3	D	793DX335(1)0050D(2)	1.7	6	1.7	2.0	0.30
3.3	D	793DE335(1)0050D(2)	1.7	6	1.7	2.0	0.30
3.3	D	CTC3335(1)0050D(2)	1.7	6	1.7	2.0	0.30
3.3	D	CTC4335(1)0050D(2)	1.7	6	1.7	2.0	0.30
4.7	D	793DX475(1)050D(2)	2.4	6	1.2	1.5	0.37
4.7	D	793DE475(1)050D(2)	2.4	6	1.2	1.5	0.37
4.7	D	CTC3475(1)050D(2)	2.4	6	1.2	1.5	0.37
4.7	D	CTC4475(1)050D(2)	2.4	6	1.2	1.5	0.37

Note

- Part number definitions:
 - (1) Tolerance: X0, X9
 - (2) Terminations and packaging: 2TE3, 2WE3, 8T, 8W



TYPICAL CURVES AT + 25 °C, IMPEDANCE AND ESR VS. FREQUENCY





Disclaimer

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Vishay makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product. To the maximum extent permitted by applicable law, Vishay disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.

Statements regarding the suitability of products for certain types of applications are based on Vishay's knowledge of typical requirements that are often placed on Vishay products in generic applications. Such statements are not binding statements about the suitability of products for a particular application. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and/or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts. Product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein.

Except as expressly indicated in writing, Vishay products are not designed for use in medical, life-saving, or life-sustaining applications or for any other application in which the failure of the Vishay product could result in personal injury or death. Customers using or selling Vishay products not expressly indicated for use in such applications do so at their own risk. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay. Product names and markings noted herein may be trademarks of their respective owners.

Material Category Policy

Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as RoHS-Compliant fulfill the definitions and restrictions defined under Directive 2011/65/EU of The European Parliament and of the Council of June 8, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (EEE) - recast, unless otherwise specified as non-compliant.

Please note that some Vishay documentation may still make reference to RoHS Directive 2002/95/EC. We confirm that all the products identified as being compliant to Directive 2002/95/EC conform to Directive 2011/65/EU.

Vishay Intertechnology, Inc. hereby certifies that all its products that are identified as Halogen-Free follow Halogen-Free requirements as per JEDEC JS709A standards. Please note that some Vishay documentation may still make reference to the IEC 61249-2-21 definition. We confirm that all the products identified as being compliant to IEC 61249-2-21 conform to JEDEC JS709A standards.