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

FEATURES

- CECC
  30801/005 - 793DX
  30801/009 - CTC3
  30801/011 - CTC4
  30801/801 - 793DE
- Terminations: 100 % matte tin, standard, tin/lead available
- Molded case available in four case codes
- Compatible with “High Volume” automatic pick and place equipment
- Optical character recognition qualified
- Compliant terminations
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912

Pb-free Available

RoHS* COMPLIANT

Note

* Lead (Pb)-containing terminations are not RoHS-compliant. Exemptions may apply.

PERFORMANCE/ELECTRICAL CHARACTERISTICS

Operating Temperature: - 55 °C to + 125 °C (above 85 °C, voltage derating is required)

Capacitance Range: 0.10 µF to 100 µF

Capacitance Tolerance: ± 10 %, ± 20 %

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

APPLICATIONS

- Military/aerospace
- General purpose

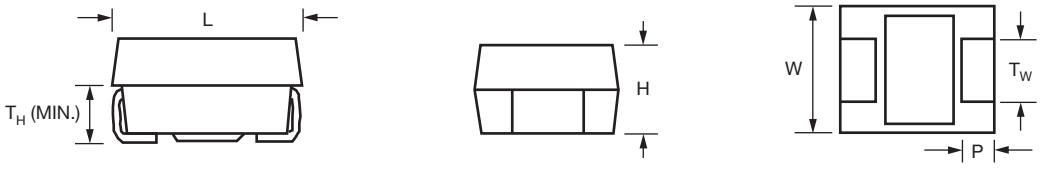
ORDERING INFORMATION

793DX	106	X0	010	B	2WE3
TYPE	CAPACITANCE	CAPACITANCE TOLERANCE	DC VOLTAGE RATING AT + 85 °C	CASE CODE	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	T_W	T_H (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]

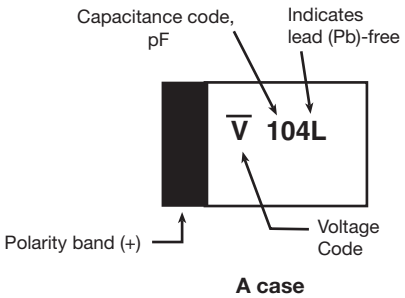
RATINGS AND CASE CODES

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

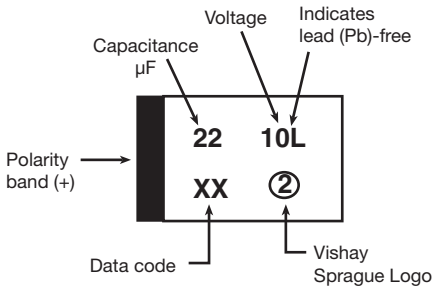
(1) Available as 793DE part numbers only

MARKING



A case

"A" CASE VOLTAGE CODE	
VOLTS	CODE
4.0	G
6.3	J
10	A
16	C
20	D
25	E
35	V
50	T



B, C, D case

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

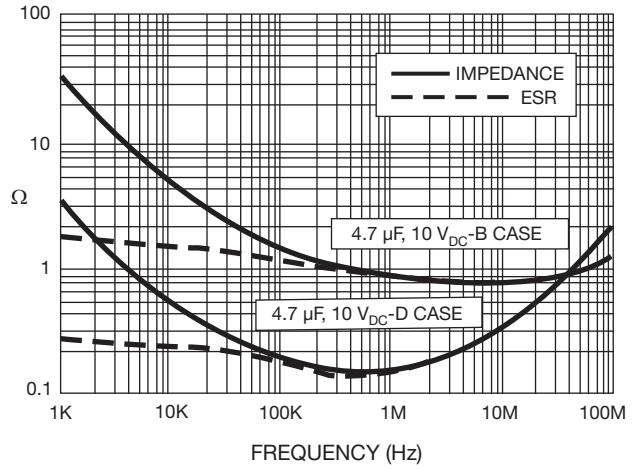
STANDARD RATINGS

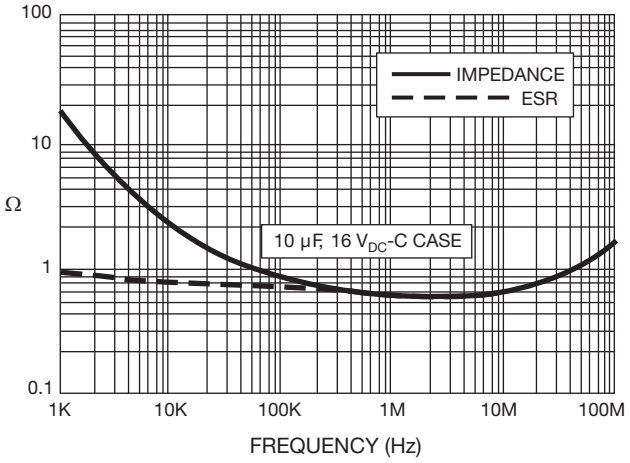
CAPACITANCE (µF)	CASE CODE	PART NUMBER	MAX. DC LEAKAGE AT + 25 °C (µA)	MAX. DF AT + 25 °C (%)	MAX. ESR AT + 25 °C 100 kHz (Ω)	IMPEDANCE (Z) AT + 25 °C 100 kHz (Ω)	MAX. RIPPLE 100 kHz I_{RMS} (A)
50 V_{DC} AT + 85 °C; 33 V_{DC} AT + 125 °C							
0.10	A	793DX104(1)050A(2)	0.5	4	19	27.0	0.06
0.10	A	793DE104(1)050A(2)	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

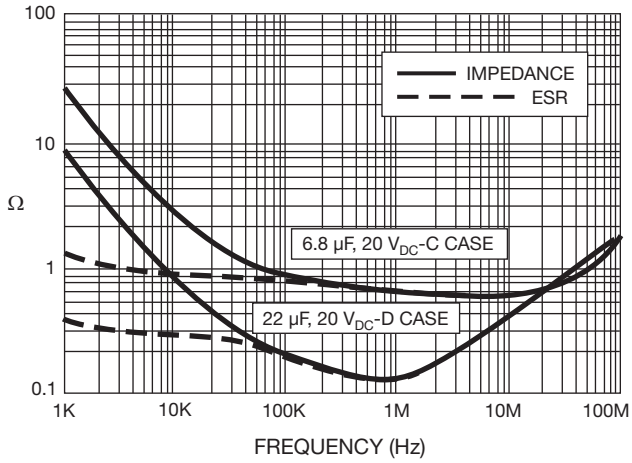
Note

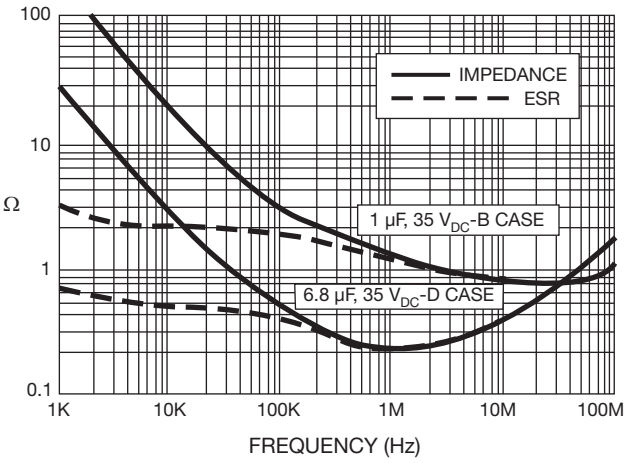
- Part number definitions:
  (1) Tolerance: X0, X9
  (2) Terminations and packaging: 2TE3, 2WE3, 8T, 8W

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









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