

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







Dipped, Radial Leaded, Solid Tantalum Capacitors



The Type TDL, like the Type TDC, is a low cost alternative to molded solid tantalum capacitors, and is constructed in a tough, radial dipped flame retardant plastic case. It assures the user that it is a top performer with such attributes as low DCL, Low ESR, low impedance and a great value with low in-place cost. The 0.10" and 0.20" lead spacings of the TDL are what distinguishes it from the Type TDC.

Highlights ____

- Tough plastic case
- Low DCL
- Low ESR and impedance
- Low cost
- Temperature stable
- UL94VO flammability rating
- Resistant to shock and vibration

Specifications

Capacitance Range: 0.10 μF to 330 μF

Voltage Range: 6 WVdc to 50 WVdc at 85 °C

Tolerance: ±10%, ±20% (±5% by Special Order)

Operating Temperature Range: -55 °C to +125 °C (with proper derating)

DC Leakage: +25 °C - See ratings limit

+85 °C - 10 x Ratings limit +125 °C - 12.5 x Ratings limit

Capacitance Change Maximum: -10% @ -55 °C

+10% @ +85 °C +12% @ +125 °C

Reverse Voltage (Non-continuous): 15% of rated voltage @ 25 °C

5% of rated voltage @ 85 °C

1% of rated voltage @ 125 °C

Reel Packaging:

. ,					
Case	Quantity				
Code	Per Reel				
Α	1,500				
В	1,500				
С	1,500				
D	1,000				
Е	1,000				
F	1,000				

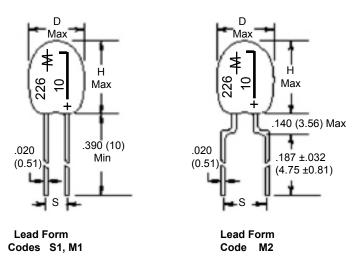
RoHS Compliant:



Complies with the EU Directive 2002/95/EC requirement restricting the use of Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent chromium (Cr(VI)), PolyBrominated Biphenyls (PBB) and PolyBrominated Diphenyl Ethers (PBDE).

Type TDL Solid Tantalum Capacitors

Capacitor Outline Drawing



	Dimensions - Inches (Millimeters)								
Case			Leads		Quantity				
Code	D (Max.)	H (Max.)	S	Code	Per Reel				
Α	0180 (4.57)	.280 (7.11)	.100 (2.54) (Standard)	S1	1,500				
			.200 (5.08) (Special)	M2					
В	200 (5.08)	.300 (7.62)	.100 (2.54) (Standard)	S1	1,500				
			.200 (5.08) (Special)	M2					
С	.260 (6.60)	.360 (9.14)	.100 (2.54) (Standard)	S1	1,500				
			.200 (5.08) (Special)	M2					
D	.340 (8.64)	.400 (10.16)	.100 (2.54) (Standard)	S1	1,000				
			.200 (5.08) (Special)	M2					
Е	.400 (10.16)	.560 (14.22)	.200 (5.08) (Standard)	M1	1,000				
F	.440 (11.18)	.680 (17.27)	.200 (5.08) (Standard)	M1	1,000				

Listed Catalog Numbers reflect standard lead forms as indicated below.

M2 lead form and lead lengths of .500 (12.7) minumum are available by special order.

Ratings

				Max.	Max. DF
	0-4-1	0		DCL	1
	Catalog	Case	Lead		@ +25°C
Сар	Part Number	Code	Spacing	@ +25°C	120 Hz
(µF)			(S)	(µA)	(%)
			Surge @ 8		
			irge @ 125	i -	
3.3	TDL335*006S1A	A	0.1	0.5	5
3.9	TDL395*006S1A	A	0.1	0.5	5
4.7	TDL475*006S1A	Α	0.1	0.5	5
5.6	TDL565*006S1A	Α	0.1	0.5	5
6.8	TDL685*006S1A	Α	0.1	0.5	5
8.2	TDL825*006S1B	В	0.1	0.5	6
10	TDL106*006S1B	В	0.1	0.5	6
12	TDL126*006S1B	В	0.1	0.6	6
15	TDL156*006S1B	В	0.1	0.7	6
18	TDL186*006S1B	В	0.1	0.9	6
22	TDL226*006S1C	С	0.1	1.1	6
27	TDL276*006S1C	С	0.1	1.3	6
33	TDL336*006S1C	С	0.1	1.6	6
39	TDL396*006S1C	С	0.1	1.9	6
47	TDL476*006S1D	D	0.1	2.3	6
56	TDL566*006S1D	D	0.1	2.7	6
68	TDL686*006S1D	D	0.1	3.3	6
82	TDL826*006S1D	D	0.1	3.9	8
100	TDL107*006S1D	D	0.1	4.8	8
120	TDL127*006M1D	D	0.2	5.8	8
150	TDL157*006M1E	E	0.2	7.2	8
180	TDL187*006M1E	Е	0.2	8.6	8
220	TDL227*006M1E	E	0.2	10	8
270	TDL277*006M1E	E	0.2	10	8
330	TDL337*006M1F	F	0.2	10	8
<u> </u>	1				

Cap (μF) Catalog Part Number Case Code Lead Spacing (μ+25°C) (μA) (μ+25°C) (μA) (120 Hz (%) 10 WVdc; 13 Vdc Surge @ 85 °C 7 WVdc; 9 Vdc Surge @ 125 °C 2.2 TDL225*010S1A A 0.1 0.5 5 2.7 TDL275*010S1A A 0.1 0.5 5 3.3 TDL395*010S1A A 0.1 0.5 5 3.9 TDL395*010S1A A 0.1 0.5 5 4.7 TDL475*010S1A A 0.1 0.5 5 5.6 TDL565*010S1A A 0.1 0.5 5 6.8 TDL665*010S1B B 0.1 0.5 5 8.2 TDL825*010S1B B 0.1 0.7 6 10 TDL106*010S1B B 0.1 0.7 6 12 TDL126*010S1C C 0.1 1.2 6 18 TDL186*010S1C C 0.1 1.4 6					Max.	Max. DF
(μF) (S) (μA) (%)		Catalog	Case	Lead	DCL	@ +25°C
10 WVdc; 13 Vdc Surge @ 125 °C 7 WVdc; 9 Vdc Surge @ 125 °C 2.2 TDL225*010S1A A 0.1 0.5 5 2.7 TDL275*010S1A A 0.1 0.5 5 3.3 TDL335*010S1A A 0.1 0.5 5 3.9 TDL395*010S1A A 0.1 0.5 5 4.7 TDL475*010S1A A 0.1 0.5 5 5.6 TDL565*010S1A A 0.1 0.5 5 6.8 TDL685*010S1B B 0.1 0.5 5 8.2 TDL825*010S1B B 0.1 0.7 6 10 TDL106*010S1B B 0.1 0.7 6 11 TDL126*010S1C C 0.1 1.0 6 12 TDL126*010S1C C 0.1 1.2 6 18 TDL186*010S1C C 0.1 1.4 6 22 TDL226*010S1C C 0.1 1.8 6 27 TDL276*010S1C C 0.1 1.8 6 39 TDL336*010S1D D 0.1 2.6 6 39 TDL396*010S1D D 0.1 3.1 6 47 TDL476*010S1D D 0.1 3.8 6 56 TDL566*010S1D D 0.1 5.4 6 82 TDL826*010M1E E 0.2 8.0 8 120 TDL127*010M1E E 0.2 9.6 8 150 TDL157*010M1E E 0.2 9.6 8 150 TDL157*010M1E E 0.2 9.6 8 150 TDL157*010M1E E 0.2 10.0 8	Сар	Part Number	Code	Spacing	@ +25°C	120 Hz
7 WVdc; 9 Vdc Surge @ 125 °C 2.2 TDL225*010S1A A 0.1 0.5 5 2.7 TDL275*010S1A A 0.1 0.5 5 3.3 TDL335*010S1A A 0.1 0.5 5 3.9 TDL395*010S1A A 0.1 0.5 5 4.7 TDL475*010S1A A 0.1 0.5 5 5.6 TDL565*010S1A A 0.1 0.5 5 6.8 TDL685*010S1B B 0.1 0.5 5 6.8 TDL825*010S1B B 0.1 0.7 6 10 TDL106*010S1B B 0.1 0.7 6 10 TDL126*010S1C C 0.1 1.0 6 15 TDL156*010S1C C 0.1 1.4 6 22 TDL276*010S1C C 0.1 1.4 6 27 TDL276*010S1D D 0.1 3.1 6	(μ F)			(S)	(µA)	(%)
2.2 TDL225*010S1A A 0.1 0.5 5 2.7 TDL275*010S1A A 0.1 0.5 5 3.3 TDL335*010S1A A 0.1 0.5 5 3.9 TDL395*010S1A A 0.1 0.5 5 4.7 TDL475*010S1A A 0.1 0.5 5 5.6 TDL565*010S1A A 0.1 0.5 5 6.8 TDL685*010S1B B 0.1 0.5 5 8.2 TDL825*010S1B B 0.1 0.7 6 10 TDL106*010S1C C 0.1 1.0 6 12 TDL126*010S1C C 0.1 1.2 6 18 TDL186*010S1C C 0.1 1.4 6 22 TDL276*010S1C C 0.1 1.8 6 27 TDL276*010S1D D 0.1 3.1 6 33 TDL396*010S1D D		10 WVdc;	13 Vdc St	ırge @ 85 '	°C	
2.7 TDL275*010S1A A 0.1 0.5 5 3.3 TDL335*010S1A A 0.1 0.5 5 3.9 TDL395*010S1A A 0.1 0.5 5 4.7 TDL475*010S1A A 0.1 0.5 5 5.6 TDL565*010S1B B 0.1 0.5 5 6.8 TDL685*010S1B B 0.1 0.5 5 8.2 TDL825*010S1B B 0.1 0.7 6 10 TDL106*010S1B B 0.1 0.8 6 12 TDL126*010S1C C 0.1 1.0 6 15 TDL156*010S1C C 0.1 1.2 6 18 TDL186*010S1C C 0.1 1.8 6 27 TDL276*010S1C C 0.1 1.8 6 27 TDL36*010S1D D 0.1 3.1 6 47 TDL476*010S1D D <		7 WVdc;	9 Vdc Sur	ge @ 125 º	С	
3.3 TDL335*010S1A A 0.1 0.5 5 3.9 TDL395*010S1A A 0.1 0.5 5 4.7 TDL475*010S1A A 0.1 0.5 5 5.6 TDL565*010S1B B 0.1 0.5 5 6.8 TDL685*010S1B B 0.1 0.7 6 8.2 TDL825*010S1B B 0.1 0.7 6 10 TDL106*010S1B B 0.1 0.7 6 10 TDL126*010S1C C 0.1 1.0 6 15 TDL156*010S1C C 0.1 1.2 6 18 TDL186*010S1C C 0.1 1.4 6 22 TDL276*010S1C C 0.1 1.8 6 27 TDL276*010S1D D 0.1 2.2 6 33 TDL396*010S1D D 0.1 3.1 6 47 TDL566*010S1D D <	2.2	TDL225*010S1A	Α	0.1	0.5	5
3.9 TDL395*010S1A A 0.1 0.5 5 4.7 TDL475*010S1A A 0.1 0.5 5 5.6 TDL565*010S1B B 0.1 0.5 5 6.8 TDL685*010S1B B 0.1 0.5 5 8.2 TDL825*010S1B B 0.1 0.7 6 10 TDL106*010S1B B 0.1 0.7 6 10 TDL126*010S1C C 0.1 1.0 6 12 TDL156*010S1C C 0.1 1.2 6 18 TDL186*010S1C C 0.1 1.4 6 22 TDL276*010S1C C 0.1 1.8 6 27 TDL276*010S1C C 0.1 1.8 6 27 TDL396*010S1D D 0.1 2.6 6 39 TDL396*010S1D D 0.1 3.8 6 47 TDL566*010S1D D <t< td=""><td>2.7</td><td>TDL275*010S1A</td><td>Α</td><td>0.1</td><td>0.5</td><td>5</td></t<>	2.7	TDL275*010S1A	Α	0.1	0.5	5
4.7 TDL475*010S1A A 0.1 0.5 5 5.6 TDL565*010S1B B 0.1 0.5 5 6.8 TDL685*010S1B B 0.1 0.5 5 8.2 TDL825*010S1B B 0.1 0.7 6 10 TDL106*010S1B B 0.1 0.8 6 12 TDL126*010S1C C 0.1 1.0 6 15 TDL156*010S1C C 0.1 1.2 6 18 TDL186*010S1C C 0.1 1.4 6 22 TDL276*010S1C C 0.1 1.8 6 27 TDL276*010S1C C 0.1 1.8 6 27 TDL376*010S1D D 0.1 2.6 6 39 TDL396*010S1D D 0.1 3.1 6 47 TDL476*010S1D D 0.1 3.8 6 56 TDL566*010S1D D <td< td=""><td>3.3</td><td>TDL335*010S1A</td><td>Α</td><td>0.1</td><td>0.5</td><td>5</td></td<>	3.3	TDL335*010S1A	Α	0.1	0.5	5
5.6 TDL565*010S1A A 0.1 0.5 5 6.8 TDL685*010S1B B 0.1 0.5 5 8.2 TDL825*010S1B B 0.1 0.7 6 10 TDL106*010S1B B 0.1 0.8 6 12 TDL126*010S1C C 0.1 1.0 6 15 TDL156*010S1C C 0.1 1.2 6 18 TDL186*010S1C C 0.1 1.4 6 22 TDL276*010S1C C 0.1 1.8 6 27 TDL276*010S1C C 0.1 1.8 6 27 TDL276*010S1D D 0.1 2.6 6 39 TDL396*010S1D D 0.1 3.1 6 47 TDL476*010S1D D 0.1 3.8 6 56 TDL566*010S1D D 0.1 4.5 6 82 TDL826*010M1E E	3.9	TDL395*010S1A	Α	0.1	0.5	5
6.8 TDL685*010S1B B 0.1 0.5 5 8.2 TDL825*010S1B B 0.1 0.7 6 10 TDL106*010S1B B 0.1 0.8 6 12 TDL126*010S1C C 0.1 1.0 6 15 TDL156*010S1C C 0.1 1.2 6 18 TDL186*010S1C C 0.1 1.4 6 22 TDL226*010S1C C 0.1 1.8 6 27 TDL276*010S1C C 0.1 1.8 6 27 TDL276*010S1C C 0.1 2.2 6 33 TDL336*010S1D D 0.1 2.6 6 39 TDL396*010S1D D 0.1 3.1 6 47 TDL476*010S1D D 0.1 3.8 6 56 TDL566*010S1D D 0.1 3.8 6 56 TDL566*010S1D D 0.1 5.4 6 82 TDL826*010M1E E 0.2 6.6 8 100 TDL107*010M1E E 0.2 8.0 8 120 TDL127*010M1E E 0.2 9.6 8 150 TDL157*010M1E E 0.2 10.0 8	4.7	TDL475*010S1A	Α	0.1	0.5	5
8.2 TDL825*010S1B B 0.1 0.7 6 10 TDL106*010S1B B 0.1 0.8 6 12 TDL126*010S1C C 0.1 1.0 6 15 TDL156*010S1C C 0.1 1.2 6 18 TDL186*010S1C C 0.1 1.4 6 22 TDL226*010S1C C 0.1 1.8 6 27 TDL276*010S1C C 0.1 2.2 6 33 TDL396*010S1D D 0.1 2.6 6 39 TDL396*010S1D D 0.1 3.1 6 47 TDL476*010S1D D 0.1 3.8 6 56 TDL566*010S1D D 0.1 3.8 6 68 TDL686*010S1D D 0.1 5.4 6 82 TDL826*010M1E E 0.2 6.6 8 100 TDL107*010M1E E 0.2 8.0 8 120 TDL157*010M1E E 0.2 10.0 8 180 TDL187*010M1E E 0.2 10.0 8	5.6	TDL565*010S1A	Α	0.1	0.5	5
10 TDL106*010S1B B 0.1 0.8 6 12 TDL126*010S1C C 0.1 1.0 6 15 TDL156*010S1C C 0.1 1.2 6 18 TDL186*010S1C C 0.1 1.4 6 22 TDL226*010S1C C 0.1 1.8 6 27 TDL276*010S1C C 0.1 2.2 6 33 TDL396*010S1D D 0.1 2.6 6 39 TDL396*010S1D D 0.1 3.1 6 47 TDL476*010S1D D 0.1 3.8 6 56 TDL566*010S1D D 0.1 4.5 6 68 TDL686*010S1D D 0.1 5.4 6 82 TDL826*010M1E E 0.2 6.6 8 100 TDL107*010M1E E 0.2 8.0 8 120 TDL157*010M1E E 0	6.8	TDL685*010S1B	В	0.1	0.5	5
12 TDL126*010S1C C 0.1 1.0 6 15 TDL156*010S1C C 0.1 1.2 6 18 TDL186*010S1C C 0.1 1.4 6 22 TDL226*010S1C C 0.1 1.8 6 27 TDL276*010S1C C 0.1 2.2 6 33 TDL336*010S1D D 0.1 2.6 6 39 TDL396*010S1D D 0.1 3.1 6 47 TDL476*010S1D D 0.1 3.8 6 56 TDL566*010S1D D 0.1 4.5 6 68 TDL686*010S1D D 0.1 5.4 6 82 TDL826*010M1E E 0.2 6.6 8 100 TDL107*010M1E E 0.2 8.0 8 120 TDL127*010M1E E 0.2 10.0 8 150 TDL187*010M1E E <td< td=""><td>8.2</td><td>TDL825*010S1B</td><td>В</td><td>0.1</td><td>0.7</td><td>6</td></td<>	8.2	TDL825*010S1B	В	0.1	0.7	6
15 TDL156*010S1C C 0.1 1.2 6 18 TDL186*010S1C C 0.1 1.4 6 22 TDL226*010S1C C 0.1 1.8 6 27 TDL276*010S1C C 0.1 2.2 6 33 TDL336*010S1D D 0.1 2.6 6 39 TDL396*010S1D D 0.1 3.1 6 47 TDL476*010S1D D 0.1 3.8 6 56 TDL566*010S1D D 0.1 4.5 6 68 TDL686*010S1D D 0.1 5.4 6 82 TDL826*010M1E E 0.2 6.6 8 100 TDL107*010M1E E 0.2 8.0 8 120 TDL127*010M1E E 0.2 10.0 8 150 TDL157*010M1E E 0.2 10.0 8 180 TDL187*010M1E E <	10	TDL106*010S1B	В	0.1	0.8	6
18 TDL186*010S1C C 0.1 1.4 6 22 TDL226*010S1C C 0.1 1.8 6 27 TDL276*010S1C C 0.1 2.2 6 33 TDL336*010S1D D 0.1 2.6 6 39 TDL396*010S1D D 0.1 3.1 6 47 TDL476*010S1D D 0.1 3.8 6 56 TDL566*010S1D D 0.1 4.5 6 68 TDL686*010S1D D 0.1 5.4 6 82 TDL826*010M1E E 0.2 6.6 8 100 TDL107*010M1E E 0.2 8.0 8 120 TDL127*010M1E E 0.2 9.6 8 150 TDL157*010M1E E 0.2 10.0 8 180 TDL187*010M1E E 0.2 10.0 8	12	TDL126*010S1C	С	0.1	1.0	6
22 TDL226*010S1C C 0.1 1.8 6 27 TDL276*010S1C C 0.1 2.2 6 33 TDL336*010S1D D 0.1 2.6 6 39 TDL396*010S1D D 0.1 3.1 6 47 TDL476*010S1D D 0.1 3.8 6 56 TDL566*010S1D D 0.1 4.5 6 68 TDL686*010S1D D 0.1 5.4 6 82 TDL826*010M1E E 0.2 6.6 8 100 TDL107*010M1E E 0.2 8.0 8 120 TDL127*010M1E E 0.2 9.6 8 150 TDL157*010M1E E 0.2 10.0 8 180 TDL187*010M1E E 0.2 10.0 8	15	TDL156*010S1C	С	0.1	1.2	6
27 TDL276*010S1C C 0.1 2.2 6 33 TDL336*010S1D D 0.1 2.6 6 39 TDL396*010S1D D 0.1 3.1 6 47 TDL476*010S1D D 0.1 3.8 6 56 TDL566*010S1D D 0.1 4.5 6 68 TDL686*010S1D D 0.1 5.4 6 82 TDL826*010M1E E 0.2 6.6 8 100 TDL107*010M1E E 0.2 8.0 8 120 TDL127*010M1E E 0.2 9.6 8 150 TDL157*010M1E E 0.2 10.0 8 180 TDL187*010M1E E 0.2 10.0 8	18	TDL186*010S1C	С	0.1	1.4	6
33 TDL336*010S1D D 0.1 2.6 6 39 TDL396*010S1D D 0.1 3.1 6 47 TDL476*010S1D D 0.1 3.8 6 56 TDL566*010S1D D 0.1 4.5 6 68 TDL686*010S1D D 0.1 5.4 6 82 TDL826*010M1E E 0.2 6.6 8 100 TDL107*010M1E E 0.2 8.0 8 120 TDL127*010M1E E 0.2 9.6 8 150 TDL157*010M1E E 0.2 10.0 8 180 TDL187*010M1E E 0.2 10.0 8	22	TDL226*010S1C	С	0.1	1.8	6
39 TDL396*010S1D D 0.1 3.1 6 47 TDL476*010S1D D 0.1 3.8 6 56 TDL566*010S1D D 0.1 4.5 6 68 TDL686*010S1D D 0.1 5.4 6 82 TDL826*010M1E E 0.2 6.6 8 100 TDL107*010M1E E 0.2 8.0 8 120 TDL127*010M1E E 0.2 9.6 8 150 TDL157*010M1E E 0.2 10.0 8 180 TDL187*010M1E E 0.2 10.0 8	27	TDL276*010S1C	С	0.1	2.2	6
47 TDL476*010S1D D 0.1 3.8 6 56 TDL566*010S1D D 0.1 4.5 6 68 TDL686*010S1D D 0.1 5.4 6 82 TDL826*010M1E E 0.2 6.6 8 100 TDL107*010M1E E 0.2 8.0 8 120 TDL127*010M1E E 0.2 9.6 8 150 TDL157*010M1E E 0.2 10.0 8 180 TDL187*010M1E E 0.2 10.0 8	33	TDL336*010S1D	D	0.1	2.6	6
56 TDL566*010S1D D 0.1 4.5 6 68 TDL686*010S1D D 0.1 5.4 6 82 TDL826*010M1E E 0.2 6.6 8 100 TDL107*010M1E E 0.2 8.0 8 120 TDL127*010M1E E 0.2 9.6 8 150 TDL157*010M1E E 0.2 10.0 8 180 TDL187*010M1E E 0.2 10.0 8	39	TDL396*010S1D	D	0.1	3.1	6
68 TDL686*010S1D D 0.1 5.4 6 82 TDL826*010M1E E 0.2 6.6 8 100 TDL107*010M1E E 0.2 8.0 8 120 TDL127*010M1E E 0.2 9.6 8 150 TDL157*010M1E E 0.2 10.0 8 180 TDL187*010M1E E 0.2 10.0 8	47	TDL476*010S1D	D	0.1	3.8	6
82 TDL826*010M1E E 0.2 6.6 8 100 TDL107*010M1E E 0.2 8.0 8 120 TDL127*010M1E E 0.2 9.6 8 150 TDL157*010M1E E 0.2 10.0 8 180 TDL187*010M1E E 0.2 10.0 8	56	TDL566*010S1D	D	0.1	4.5	6
100 TDL107*010M1E E 0.2 8.0 8 120 TDL127*010M1E E 0.2 9.6 8 150 TDL157*010M1E E 0.2 10.0 8 180 TDL187*010M1E E 0.2 10.0 8	68	TDL686*010S1D	D	0.1	5.4	6
120 TDL127*010M1E E 0.2 9.6 8 150 TDL157*010M1E E 0.2 10.0 8 180 TDL187*010M1E E 0.2 10.0 8	82	TDL826*010M1E	Е	0.2	6.6	8
150 TDL157*010M1E E 0.2 10.0 8 180 TDL187*010M1E E 0.2 10.0 8	100	TDL107*010M1E	Е	0.2	8.0	8
180 TDL187*010M1E E 0.2 10.0 8	120	TDL127*010M1E	Е	0.2	9.6	8
	150	TDL157*010M1E	Е	0.2	10.0	8
220 TDL227*010M1F F 0.2 10.0 8	180	TDL187*010M1E	Е	0.2	10.0	8
	220	TDL227*010M1F	F	0.2	10.0	8

^{*} Indicates capacitance tolerance: K = ±10%, M = ±20%, (J = ±5%, Special Order)

CDE reserves the right to substitute a tighter tolerance, higher voltage capacitor within the same case size.

Type TDL Solid Tantalum Capacitors

Ratings

	<u>-</u>	Π	Γ		T] [1			T	
				Max.	Max. DF						Max.	Max. DF
	Catalog	Case	Lead	DCL	@ +25°C			Catalog	Case	Lead	DCL	@ +25°C
Сар	Part Number	Code	Spacing	@ +25°C	120 Hz		Cap	Part Number	Code	Spacing	@ +25°C	120 Hz
(µF)			(S)	(µA)	(%)		(μ F)			(S)	(µA)	(%)
	16 WVdc; 20 Vdc Surge @ 85 °C					20 WVdc; 26 Vdc Surge @ 85 °C						
	10 WVdc; 12 Vdc Surge @ 125 °C				13 WVdc; 16 Vdc Surge @ 125 °C							
1.5	TDL155*016S1A	A	0.1	0.5	5		1.5	TDL155*020S1A	Α	0.1	0.5	5
1.8	TDL185*016S1A	A	0.1	0.5	5		1.8	TDL185*020S1A	Α	0.1	0.5	5
2.2	TDL225*016S1A	A	0.1	0.5	5		2.2	TDL225*020S1A	А	0.1	0.5	5
2.7	TDL275*016S1A	A	0.1	0.5	5		2.7	TDL275*020S1A	Α	0.1	0.5	5
3.3	TDL335*016S1A	A	0.1	0.5	5		3.3	TDL335*020S1A	A	0.1	0.5	5
3.9	TDL395*016S1B	В	0.1	0.5	5		3.9	TDL395*020S1B	В	0.1	0.6	5
4.7	TDL475*016S1B	В	0.1	0.6	5		4.7	TDL475*020S1B	В	0.1	0.8	5
5.6	TDL565*016S1B	В	0.1	0.7	5		5.6	TDL565*020S1B	В	0.1	0.9	5
6.8	TDL685*016S1B	В	0.1	0.9	5		6.8	TDL685*020S1B	В	0.1	1.1	5
8.2	TDL825*016S1C	С	0.1	1.0	6		8.2	TDL825*020S1B	В	0.1	1.3	6
10	TDL106*016S1C	С	0.1	1.3	6		10	TDL106*020S1C	С	0.1	1.6	6
12	TDL126*016S1C	С	0.1	1.5	6		12	TDL126*020S1C	С	0.1	1.9	6
15	TDL156*016S1C	С	0.1	1.8	6		15	TDL156*020S1C	С	0.1	2.4	6
18	TDL186*016S1C	С	0.1	2.2	6		18	TDL186*020S1C	С	0.1	2.9	6
22	TDL226*016S1D	D	0.1	2.6	6		22	TDL226*020S1C	С	0.1	3.5	6
27	TDL276*016S1D	D	0.1	3.2	6		27	TDL276*020M1E	Е	0.2	4.3	6
33	TDL336*016S1D	D	0.1	4.0	6		33	TDL336*020M1E	E	0.2	5.3	6
39	TDL396*016M1E	E	0.2	4.7	6		39	TDL396*020M1E	Е	0.2	6.2	6
47	TDL476*016M1E	E	0.2	5.6	6		47	TDL476*020M1E	E	0.2	7.5	6
56	TDL566*016M1E	E	0.2	6.8	6		56	TDL566*020M1E	E	0.2	9	6
68	TDL686*016M1E	Е	0.2	8.2	6		68	TDL686*020M1E	Е	0.2	10	6
82	TDL826*016M1E	E	0.2	9.8	8		82	TDL826*020M1F	F	0.2	10	8
100	TDL107*016M1F	F	0.2	10	8		100	TDL107*020M1F	F	0.2	10	8
120	TDL127*016M1F	F	0.2	10	8					urge @ 85		
150	TDL157*016M1F	F	0.2	10	8			16.5 WVdc;				Τ .
	•		ırge @ 85				1.0	TDL105*025S1A	Α	0.1	0.5	3
	13 WVdc;				1		1.2	TDL125*025S1A	Α	0.1	0.5	5
1.5	TDL155*020S1A	A	0.1	0.5	5	-	1.5	TDL155*025S1A	Α	0.1	0.5	5
1.8	TDL185*020S1A	A	0.1	0.5	5		1.8	TDL185*025S1A	Α	0.1	0.5	5
2.2	TDL225*020S1A	A	0.1	0.5	5		2.2	TDL225*025S1B	В	0.1	0.5	5
2.7	TDL275*020S1A	Α	0.1	0.5	5		2.7	TDL275*025S1B	В	0.1	0.5	5
3.3	TDL335*020S1A	Α _	0.1	0.5	5		3.3	TDL335*025S1B	В	0.1	0.7	5
3.9	TDL395*020S1B	В	0.1	0.6	5		3.9	TDL395*025S1B	В	0.1	0.8	5
4.7	TDL475*020S1B	В	0.1	0.8	5		4.7	TDL475*025S1C	С	0.1	0.9	5
5.6	TDL565*020S1B	В	0.1	0.9	5		5.6	TDL565*025S1C	С	0.1	1.1	5
6.8	TDL685*020S1B	В	0.1	1.1	5		6.8	TDL685*025S1C	С	0.1	1.4	5
8.2	TDL825*020S1B	В	0.1	1.3	6		8.2	TDL825*025S1C	С	0.1	1.6	6

^{*} Indicates capacitance tolerance: K = $\pm 10\%$, M = $\pm 20\%$, (J = $\pm 5\%$, Special Order)

CDE reserves the right to substitute a tighter tolerance, higher voltage capacitor within the same case size.

Type TDL Solid Tantalum Capacitors

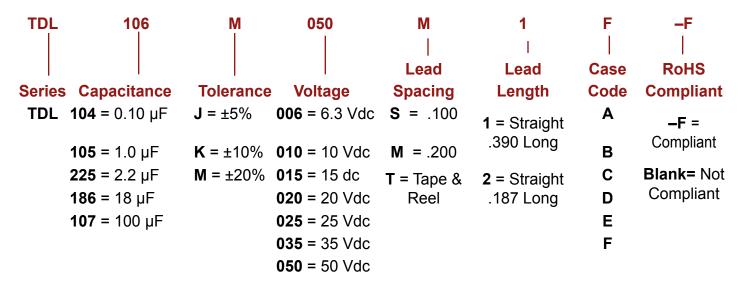
Ratings

				Max.	Max. DF			
	Catalog	Case	Lead	DCL	@ +25°C			
Сар	Part Number	Code	Spacing	@ +25°C	120 Hz			
(μ F)			(S)	(µA)	(%)			
25 WVdc; 32 Vdc Surge @ 85 °C								
16.5 WVdc; 21.5 Vdc Surge @ 125 °C								
10	TDL106*025S1C	С	0.1	2.0	6			
12	TDL126*025S1C	С	0.1	2.4	6			
15	TDL156*025S1D	D	0.1	3.0	6			
18	TDL186*025S1D	D	0.1	3.6	6			
22	TDL226*025S1D	D	0.1	4.4	6			
27	TDL276*025M1E	E	0.2	5.4	6			
33	TDL336*025M1E	E	0.2	6.6	6			
39	TDL396*025M1E	E	0.2	7.8	6			
47	TDL476*025M1E	E	0.2	9.4	6			
56	TDL566*025M1E	E	0.2	10.0	6			
68	TDL686*025M1E	F	0.2	10.0	6			
			rge @ 85 °					
	23 WVdc; 2	28 Vdc Su	rge @ 125					
.10	TDL104*035S1A	Α	0.1	0.5	3			
.12	TDL124*035S1A	Α	0.1	0.5	3			
.15	TDL154*035S1A	Α	0.1	0.5	3			
.18	TDL184*035S1A	Α	0.1	0.5	3			
.22	TDL224*035S1A	Α	0.1	0.5	3			
.27	TDL274*035S1A	Α	0.1	0.5	3			
.33	TDL334*035S1A	Α	0.1	0.5	3			
.39	TDL394*035S1A	Α	0.1	0.5	3			
.47	TDL474*035S1A	Α	0.1	0.5	3			
.56	TDL564*035S1A	Α	0.1	0.5	3			
.68	TDL684*035S1A	Α	0.1	0.5	3			
.82	TDL824*035S1A	Α	0.1	0.5	3			
1.0	TDL105*035S1B	В	0.1	0.5	3			
1.2	TDL125*035S1B	В	0.1	0.5	5			
1.5	TDL155*035S1B	В	0.1	0.5	5			
1.8	TDL185*035S1B	В	0.1	0.5	5			
2.2	TDL225*035S1C	С	0.1	0.6	5			
2.7	TDL275*035S1C	С	0.1	0.7	5			
3.3	TDL335*035S1C	С	0.1	0.9	5			
3.9	TDL395*035S1C	С	0.1	1.0	5			
4.7	TDL475*035S1D	D	0.1	1.3	5			
5.6	TDL565*035S1D	D	0.1	1.6	5			
6.8	TDL685*035S1D	D	0.1	1.9	5			
8.2	TDL825*035S1D	D	0.1	2.3	6			
10	TDL106*035S1D	D	0.1	2.8	6			
12	TDL126*035M1E	Е	0.2	3.4	6			
15	TDL156*035M1E	Е	0.2	4.2	6			

				Max.	Max. DF				
	Catalog	Case	Lead	DCL	@ +25°C				
Сар	Part Number	Code	Spacing	@ +25°C	120 Hz				
(μF)			(S)	(μ A)	(%)				
(μι)	35 WVdc	46 Vdc Su			(70)				
	35 WVdc; 46 Vdc Surge @ 85 ℃ 23 WVdc; 28 Vdc Surge @ 125 ℃								
18	TDL186*035M1E	Е	0.2	5.0	6				
22	TDL226*035M1E	E	0.2	6.2	6				
27	TDL276*035M1E	E	0.2	7.6	6				
33	TDL336*035M1F	F	0.2	9.2	6				
39	TDL396*035M1F	F	0.2	10.0	6				
47	TDL476*035M1F	F	0.2	10.0	6				
	50 WVdc;	65 Vdc Su	rge @ 85 °	C					
	33 WVdc;	40 Vdc Sui	rge @ 125	°C					
.10	TDL104*050S1A	Α	0.1	0.5	3				
.12	TDL124*050S1A	Α	0.1	0.5	3				
.15	TDL154*050S1A	Α	0.1	0.5	3				
.18	TDL184*050S1A	Α	0.1	0.5	3				
.22	TDL224*050S1A	A	0.1	0.5	3				
.27	TDL274*050S1A	Α	0.1	0.5	3				
.33	TDL334*050S1A	Α	0.1	0.5	3				
.39	TDL394*050S1A	Α	0.1	0.5	3				
.47	TDL474*050S1B	В	0.1	0.5	3				
.56	TDL564*050S1B	В	0.1	0.5	3				
.68	TDL684*050S1B	В	0.1	0.5	3				
.82	TDL824*050S1B	В	0.1	0.5	3				
1.0	TDL105*050S1C	С	0.1	0.5	3				
1.2	TDL125*050S1C	С	0.1	0.5	5				
1.5	TDL155*050S1C	С	0.1	0.6	5				
1.8	TDL185*050S1C	С	0.1	0.7	5				
2.2	TDL225*050S1D	D	0.1	0.9	5				
2.7	TDL275*050S1D	D	0.1	1.1	5				
3.3	TDL335*050S1D	D	0.1	1.3	5				
3.9	TDL395*050S1D	D	0.1	1.6	5				
4.7	TDL475*050S1D	D	0.1	1.9	5				
5.6	TDL565*050S1D	D _	0.1	2.2	5				
6.8	TDL685*050M1F	F	0.2	2.7	5				
8.2	TDL825*050M1F	F	0.2	3.3	6				
10	TDL106*050M1F	F	0.2	4.0	6				
12	TDL126*050M1F	F	0.2	4.8	6				
15	TDL156*050M1F	F	0.2	6.0	6				
18	TDL186*050M1F	F	0.2	7.2	6				
22	TDL226*050M1F	F	0.2	8.8	6				

^{*} Indicates capacitance tolerance: $K = \pm 10\%$, $M = \pm 20\%$, $(J = \pm 5\%$, Special Order)

Part Numbering System



Notice and Disclaimer: All product drawings, descriptions, specifications, statements, information and data (collectively, the "Information") in this datasheet or other publication are subject to change. The customer is responsible for checking, confirming and verifying the extent to which the Information contained in this datasheet or other publication is applicable to an order at the time the order is placed. All Information given herein is believed to be accurate and reliable, but it is presented without any guarantee, warranty, representation or responsibility of any kind, expressed or implied. Statements of suitability for certain applications are based on the knowledge that the Cornell Dubilier company providing such statements ("Cornell Dubilier") has of operating conditions that such Cornell Dubilier company regards as typical for such applications, but are not intended to constitute any guarantee, warranty or representation regarding any such matter – and Cornell Dubilier specifically and expressly disclaims any guarantee, warranty or representation concerning the suitability for a specific customer application, use, storage, transportation, or operating environment. The Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by Cornell Dubilier with reference to the use of any Cornell Dubilier products is given gratis (unless otherwise specified by Cornell Dubilier), and Cornell Dubilier assumes no obligation or liability for the advice given or results obtained. Although Cornell Dubilier strives to apply the most stringent quality and safety standards regarding the design and manufacturing of its products, in light of the current state of the art, isolated component failures may still occur. Accordingly, customer applications which require a high degree of reliability or safety should employ suitable designs or other safeguards (such as installation of protective circuitry or redundancies or other appropriate protective measures) in order to ensure that the failure of an electrical component does not result in a risk of personal injury or property damage. Although all product-related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicated in such warnings, cautions and notes, or that other safety measures may not be required.