



New DLA 15010 Series High Energy Wet Tantalum Capacitors

Vishay has extended its high energy product line with the new DLA 15010 series of wet tantalum capacitors built on SuperTan® technology. The largest such devices on the market at a given voltage rating and package size – for example, 70 000 μ F at 35 V in the D case – this DLA version of the EP2 series has been expanded with new ratings. The devices are tested to 2000 hours of life at 85 °C and 125 °C and have the highest energy density available.

Released Ratings

B case	C case
22 mF - 50 V	33 mF - 50 V
9.4 mF - 63 V	19.6 mF - 60 V
3 mF - 125 V	

Applications

DLA 15010 series capacitors are useful in any power supply where long hold-up time is needed or high pulse / ripple current must be filtered, in addition to pulsed power applications such as LiDAR and radar. They can be designed into capacitor banks to meet both high capacitance and energy needs, and can handle voltages higher than 125 V, as seen in the industrial, avionics, military, and space markets.

Key Advantages

- Very high volumetric energy density, up to 2 J/cc
- Hermetically sealed tantalum package
- Wide voltage range: 25 V – 125 V
- Radial and surface-mountable
- Low ESR down to 12 mΩ

Useful Links

- [Product Page](#)
- [Infographic](#)
- [Did You Know: Six Reasons to Rely on Wet Tantalum High Energy Capacitors](#)
- [Capabilities and Custom Options](#)



RATINGS AND CASE CODES (ESR mΩ)										
µF	25 V	35 V	50 V	60 V	63 V	80 V	100 V	110 V	125 V	
1500										EP2A (100)
1900										EP2A (100)
2000										EP2A (100)
2200									EP2A (85)	
2700									EP2B (45)	
3000							EP2A (65)		EP2B (45)	
3600									EP2B (50)	
3800									EP2B (50)	
4000						EP2A (55)		EP2B (40)		
4400							EP2B (30)			
4500									EP2C (25)	
5300									EP2C (35)	
5600									EP2C (35)	
5800								EP2B (35)		
6000					EP2A (50)	EP2B (27)		EP2C (27)		
6300					EP2A (50)					
6600								EP2C (20)		
7000							EP2B (30)		EP2D (20)	
7900								EP2C (25)		
8000							EP2B (30)		EP2D (20)	
9000							EP2B (30) / EP2C (18)	EP2C (25)		
9400						EP2B (25)				
10 500								EP2D (20)		
11 000						EP2B (25)				
12 000						EP2B (25)	EP2C (20)			
12 600						EP2B (25)				
13 000					EP2A (50)		EP2B (25)			
14 000							EP2C (17)	EP2C (20)		
16 000								EP2D (15)		
17 000					EP2B (25)					
18 000							EP2C (20)			
19 000						EP2C (17)				
22 000				EP2A (40)	EP2B (25)					
23 000					EP2C (17)					
24 000					EP2B (27)		EP2D (12)			
25 000						EP2D (15)				
30 000	EP2A (30)									
32 000		EP2B (20)								
33 000			EP2C (17)							
34 000			EP2C (18)							
37 000			EP2C (20)							
40 000		EP2B (22)								
44 000			EP2D (15)							
47 000		EP2C (15)								
48 000	EP2B (20)	EP2C (15)	EP2D (15)							
58 000		EP2C (17)								
70 000		EP2D (12)								
72 000	EP2C (15)									
96 000	EP2D (12)									

- EP2 released ratings
- DLA released ratings

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