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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.

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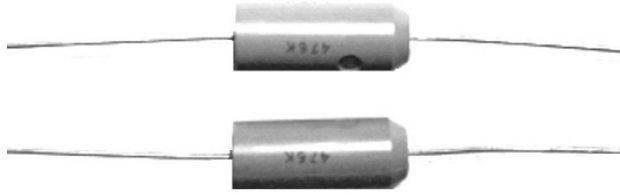
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Type TAC Solid Tantalum Capacitors

Molded, Axial Lead, Solid Tantalum Capacitors



The Type TAC molded solid tantalum capacitor is great for putting a lot of capacitance in a small space in a high temperature application. The TAC is constructed in a shock and vibration resistant, flame retardant, rugged, precision molded case that is tapered on one end for polarity identification and available on tape and reel.

Highlights

- ◆ Precision Molded
- ◆ Flame Retardant
- ◆ Tapered for Polarity Identification
- ◆ Highest CV per Case Size
- ◆ Miniature Sizes
- ◆ Highly Resistant to Shock and Vibration

Specifications

Capacitance Range:	0.10 μ F to 330 μ F
Voltage Range:	6 WVdc to 50 WVdc at 85 °C
Tolerance:	\pm 10% Standard (\pm 5% by special order)
Operating Temperature Range:	-55 °C to +125 °C (with proper derating)
Reverse Voltage:	15% of rated voltage @ 25 °C 5% of rated voltage @ 85 °C 1% of rated voltage @ 125 °C
Capacitance Change Maximum:	-10% @ -55 °C +10% @ +85 °C +12% @ +125 °C

Reel Packaging per EIA- RS-296:

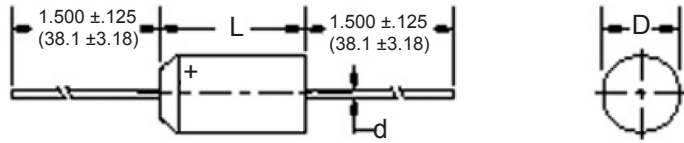
Case Code	Quantity
1	4500 per 12" Reel
2	4000 per 12" Reel
5 & 6	2500 per 12" Reel
7 & 8	500 per 12" Reel

Part Numbering System

TAC	107	K	006	P	0	8	-F
Type	Capacitance	Tolerance	Voltage	Polar	Molded Case	Case Code	RoHS Compliant
TAC	394 = 0.39 μ F	J = \pm 5%	006 = 6 Vdc	P = Polar	0	1	
	105 = 1.0 μ F	K = \pm 10%	010 = 10 Vdc			2	
	225 = 2.2 μ F		015 = 15 dc			5	
	186 = 18 μ F		020 = 20 Vdc			6	
	107 = 100 μ F		025 = 25 Vdc			7	
			035 = 35 Vdc			8	
			050 = 50 Vdc				

Type TAC Solid Tantalum Capacitors

Capacitor Outline Drawing



Inches (Millimeters)

Case Code	D (Max)	L (Max)	d
1	.095 (2.41)	.260 (6.6)	.020 (.51)
2	.110 (2.79)	.290 (7.37)	.020 (.51)
5	.180 (4.57)	.345 (8.76)	.020 (.51)
6	.180 (4.57)	.420 (10.67)	.020 (.51)
7	.280 (7.11)	.530 (13.46)	.025 (.64)
8	.300 (7.62)	.710 (18.03)	.025 (.64)

Ratings

Cap (µF)	Catalog Part Number	Case Code	Max DCL @ +25 °C (µA)	Max DF % @ +25 °C 120 Hz
6 WVdc @ 85 °C 4 WVdc @ 125 °C				
3.3	TAC335K006P01-F	1	0.5	4
3.9	TAC395K006P01-F	1	0.5	4
4.7	TAC475K006P01-F	1	0.5	4
5.6	TAC565K006P02-F	2	0.5	4
6.8	TAC685K006P02-F	2	0.5	6
8.2	TAC825K006P02-F	2	0.5	6
10	TAC106K006P02-F	2	0.5	6
12	TAC126K006P02-F	2	0.6	6
15	TAC156K006P02-F	2	0.7	6
18	TAC186K006P05-F	5	0.9	6
22	TAC226K006P05-F	5	1.1	6
27	TAC276K006P05-F	5	1.3	6
33	TAC336K006P05-F	5	1.5	6
39	TAC396K006P06-F	6	1.9	6
47	TAC476K006P06-F	6	2.3	6
56	TAC566K006P06-F	6	2.7	6
68	TAC686K006P06-F	6	3.3	6
82	TAC826K006P07-F	7	3.9	8
100	TAC107K006P07-F	7	4.8	8
120	TAC127K006P07-F	7	5.0	8
150	TAC157K006P07-F	7	5.0	8
180	TAC187K006P07-F	7	8.6	8
220	TAC227K006P07-F	7	10.0	8
270	TAC277K006P08-F	8	10.0	8
330	TAC337K006P08-F	8	10.0	8
10 WVdc @ 85 °C 7 WVdc @ 125 °C				
2.2	TAC225K010P01-F	1	0.5	4
2.7	TAC275K010P01-F	1	0.5	4
3.3	TAC335K010P01-F	1	0.5	4
3.9	TAC395K010P02-F	2	0.5	4
4.7	TAC475K010P02-F	2	0.5	4
5.6	TAC565K010P02-F	2	0.5	4
6.8	TAC685K010P02-F	2	0.5	6
8.2	TAC825K010P02-F	2	0.7	6
10	TAC106K010P02-F	2	0.8	6
12	TAC126K010P05-F	5	1.0	6

Cap (µF)	Catalog Part Number	Case Code	Max DCL @ +25 °C (µA)	Max DF % @ +25 °C 120 Hz
10 WVdc @ 85 °C 7 WVdc @ 125 °C				
15	TAC156K010P05-F	5	1.2	6
18	TAC186K010P05-F	5	1.4	6
22	TAC226K010P05-F	5	1.5	6
27	TAC276K010P06-F	6	2.2	6
33	TAC336K010P06-F	6	2.6	6
39	TAC396K010P06-F	6	3.1	6
47	TAC476K010P06-F	6	3.8	6
56	TAC566K010P07-F	7	4.4	6
68	TAC686K010P07-F	7	5.0	6
82	TAC826K010P07-F	7	5.0	8
100	TAC107K010P07-F	7	8.0	8
120	TAC127K010P07-F	7	9.6	8
150	TAC157K010P07-F	7	10.0	8
180	TAC187K010P08-F	8	10.0	8
220	TAC227K010P08-F	8	10.0	8
15 WVdc @ 85 °C 10 WVdc @ 125 °C				
1.5	TAC155K015P01-F	1	0.5	4
1.8	TAC185K015P01-F	1	0.5	4
2.2	TAC225K015P01-F	1	0.5	4
2.7	TAC275K015P02-F	2	0.5	4
3.3	TAC335K015P02-F	2	0.5	4
3.9	TAC395K015P02-F	2	0.5	4
4.7	TAC475K015P02-F	2	0.6	4
5.6	TAC565K015P02-F	2	0.7	4
6.8	TAC685K015P02-F	2	0.8	6
8.2	TAC825K015P05-F	5	1.0	6
10	TAC106K015P05-F	5	1.2	6
12	TAC126K015P05-F	5	1.4	6
15	TAC156K015P05-F	5	1.5	6
18	TAC186K015P06-F	6	2.2	6
22	TAC226K015P06-F	6	2.6	6
27	TAC276K015P06-F	6	3.2	6
33	TAC336K015P06-F	6	4.0	6
39	TAC396K015P07-F	7	4.7	6
47	TAC476K015P07-F	7	5.0	6
56	TAC566K015P07-F	7	6.7	6

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

Type TAC Solid Tantalum Capacitors

Ratings

Cap (μ F)	Catalog Part Number	Case Code	Max DCL @ +25 °C (μ A)	Max DF % @ +25 °C 120 Hz
15 WVdc @ 85 °C 10 WVdc @ 125 °C				
68	TAC686K015P07-F	7	8.2	6
82	TAC826K015P07-F	7	9.8	8
100	TAC107K015P07-F	7	10.0	8
120	TAC127K015P08-F	8	10.0	8
150	TAC157K015P08-F	8	10.0	8
20 WVdc @ 85 °C 13 WVdc @ 125 °C				
1	TAC105K020P01-F	1	0.5	4
1.2	TAC125K020P01-F	1	0.5	4
1.5	TAC155K020P01-F	1	0.5	4
1.8	TAC185K020P02-F	2	0.5	4
2.2	TAC225K020P02-F	2	0.5	4
2.7	TAC275K020P02-F	2	0.5	4
3.3	TAC335K020P02-F	2	0.5	4
3.9	TAC395K020P02-F	2	0.6	4
4.7	TAC475K020P02-F	2	0.8	4
5.6	TAC565K020P05-F	5	0.9	4
6.8	TAC685K020P05-F	5	1.1	6
8.2	TAC825K020P05-F	5	1.3	6
10	TAC106K020P05-F	5	1.6	6
12	TAC126K020P06-F	6	1.9	6
15	TAC156K020P06-F	6	2.4	6
18	TAC186K020P06-F	6	2.9	6
22	TAC226K020P06-F	6	3.5	6
27	TAC276K020P07-F	7	4.3	6
33	TAC336K020P07-F	7	5.0	6
39	TAC396K020P07-F	7	6.2	6
47	TAC476K020P07-F	7	7.5	6
56	TAC566K020P07-F	7	8.9	6
68	TAC686K020P07-F	7	10.0	6
82	TAC826K020P08-F	8	10.0	8
100	TAC107K020P08-F	8	10.0	8
25 WVdc @ 85 °C 17 WVdc @ 125 °C				
0.47	TAC474K025P01-F	1	0.5	3
0.56	TAC564K025P01-F	1	0.5	3
0.68	TAC684K025P01-F	1	0.5	3
0.82	TAC824K025P01-F	1	0.5	3
1.0	TAC105K025P01-F	1	0.5	3
1.2	TAC125K025P02-F	2	0.5	3
1.5	TAC155K025P02-F	2	0.5	3
1.8	TAC185K025P02-F	2	0.5	3
2.2	TAC225K025P02-F	2	0.5	3
2.7	TAC275K025P02-F	2	0.5	3

Cap (μ F)	Catalog Part Number	Case Code	Max DCL @ +25 °C (μ A)	Max DF % @ +25 °C 120 Hz
25 WVdc @ 85 °C 17 WVdc @ 125 °C				
3.3	TAC335K025P02-F	2	0.7	3
3.9	TAC395K025P05-F	5	0.8	3
4.7	TAC475K025P05-F	5	0.9	4
5.6	TAC565K025P05-F	5	1.1	4
6.8	TAC685K025P05-F	5	1.4	4
8.2	TAC825K025P05-F	5	1.5	4
10	TAC106K025P05-F	5	1.5	4
12	TAC126K025P06-F	6	2.4	4
15	TAC156K025P06-F	6	3.0	4
18	TAC186K025P07-F	7	3.6	6
22	TAC226K025P07-F	7	4.4	6
27	TAC276K025P07-F	7	5.4	6
33	TAC336K025P07-F	7	6.6	6
39	TAC396K025P07-F	7	7.8	6
47	TAC476K025P07-F	7	9.4	6
56	TAC566K025P08-F	8	10	6
68	TAC686K025P08-F	8	10	6
35 WVdc @ 85 °C 23 WVdc @ 125 °C				
0.10	TAC104K035P01-F	1	0.5	3
0.12	TAC124K035P01-F	1	0.5	3
0.15	TAC154K035P01-F	1	0.5	3
0.18	TAC184K035P01-F	1	0.5	3
0.22	TAC224K035P01-F	1	0.5	3
0.27	TAC274K035P01-F	1	0.5	3
0.33	TAC334K035P01-F	1	0.5	3
0.39	TAC394K035P01-F	1	0.5	3
0.47	TAC474K035P01-F	1	0.5	3
0.56	TAC564K035P02-F	2	0.5	3
0.68	TAC684K035P02-F	2	0.5	3
0.82	TAC824K035P02-F	2	0.5	3
1.0	TAC105K035P02-F	2	0.5	3
1.2	TAC125K035P02-F	2	0.5	3
1.5	TAC155K035P02-F	2	0.5	3
1.8	TAC185K035P05-F	5	0.5	3
2.2	TAC225K035P05-F	5	0.6	3
2.7	TAC275K035P05-F	5	0.8	3
3.3	TAC335K035P05-F	5	0.9	4
3.9	TAC395K035P05-F	5	1.1	4
4.7	TAC475K035P05-F	5	1.3	4
5.6	TAC565K035P06-F	6	1.6	4
6.8	TAC685K035P06-F	6	1.9	4
8.2	TAC825K035P06-F	6	2.3	4
10	TAC106K035P06-F	6	2.8	4

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

Type TAC Solid Tantalum Capacitors

Ratings

Cap (μ F)	Catalog Part Number	Case Code	Max DCL @ +25 °C (μ A)	Max DF % @ +25 °C 120 Hz
35 WVdc @ 85 °C 23 WVdc @ 125 °C				
12	TAC126K035P07-F	7	3.3	4
15	TAC156K035P07-F	7	4.2	6
18	TAC186K035P07-F	7	5.0	6
22	TAC226K035P07-F	7	6.2	6
27	TAC276K035P07-F	7	7.5	6
33	TAC336K035P07-F	7	9.2	6
39	TAC396K035P08-F	8	10	6
47	TAC476K035P08-F	8	10	6
50 WVdc @ 85 °C 33 WVdc @ 125 °C				
0.10	TAC104K050P01-F	1	0.5	3
0.12	TAC124K050P01-F	1	0.5	3
0.15	TAC154K050P01-F	1	0.5	3
0.18	TAC184K050P01-F	1	0.5	3
0.22	TAC224K050P01-F	1	0.5	3
0.27	TAC274K050P01-F	1	0.5	3
0.33	TAC334K050P02-F	2	0.5	3
0.39	TAC394K050P02-F	2	0.5	3
0.47	TAC474K050P02-F	2	0.5	3
0.56	TAC564K050P02-F	2	0.5	3

Cap (μ F)	Catalog Part Number	Case Code	Max DCL @ +25 °C (μ A)	Max DF % @ +25 °C 120 Hz
50 WVdc @ 85 °C 33 WVdc @ 125 °C				
0.68	TAC684K050P02-F	2	0.5	3
0.82	TAC824K050P02-F	2	0.5	3
1.0	TAC105K050P02-F	2	0.5	3
1.2	TAC125K050P05-F	5	0.5	3
1.5	TAC155K050P05-F	5	0.6	4
1.8	TAC185K050P05-F	5	0.7	4
2.2	TAC225K050P05-F	5	0.9	4
2.7	TAC275K050P06-F	6	1.1	4
3.3	TAC335K050P06-F	6	1.3	4
3.9	TAC395K050P06-F	6	1.6	4
4.7	TAC475K050P06-F	6	1.9	4
5.6	TAC565K050P07-F	7	2.2	4
6.8	TAC685K050P07-F	7	2.7	4
8.2	TAC825K050P07-F	7	3.2	4
10	TAC106K050P07-F	7	4.0	6
12	TAC126K050P08-F	8	4.8	6
15	TAC156K050P08-F	8	6.0	6
18	TAC186K050P08-F	8	7.2	6
22	TAC226K050P08-F	8	8.8	6

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