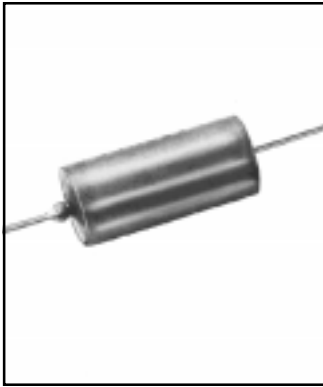


Type TAS Solid Tantalum Capacitors

MALLORY



- Hermetically Sealed
- High Capacitance
- Low DC Leakage
- Low Dissipation Factor
- Temperature Stable
- Frequency Stable
- Moisture/Solvent Resistant
- Miniature Size
- Long Shelf Life

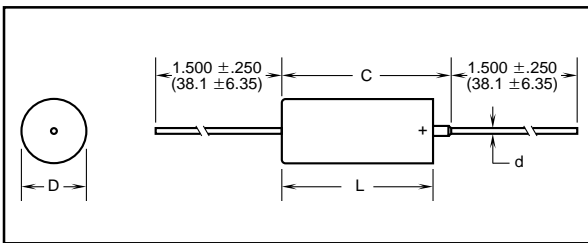
GENERAL SPECIFICATIONS

Operating Temperature:
-55°C to +125°C
(With proper derating)
Voltage Range:
6 to 100 WVDC @ 85°C
Reverse Voltage (Non-continuous):
15% of rated voltage @ 25°C
5% of rated voltage @ 85°C
1% of rated voltage @ 125°C
Capacitance Range:
.0047 μF to 330 μF
Capacitance Tolerance:
±10%, ±20%
(±5% by special order)

DC Leakage:
At +25°C - See Table Limit
At +85°C - 10 x Table Limit
At +125°C - 12.5 x Table Limit
Capacitance Change Maximum:
-10% @ -55°C
+8% @ +85°C
+12% @ +125°C

Maximum Power Dissipation @ 25°C:

Case Code	Watts
A	.09
C	.100
F	.125
G	.180



Case Code	Uninsulated		Insulated		C Maximum	d ±.001 (±.03)	Quantity Per Reel
	D ±.005 (±.13)	L ±.031 (±.79)	D ±.010 (±.25)	L ±.031 (±.79)			
A	.125(3.18)	.250(6.35)	.135(3.43)	.286(7.26)	.422(10.72)	.020(.51)	3,500
C	.175(4.45)	.438(11.13)	.185(4.70)	.474(12.04)	.610(15.49)	.020(.51)	2,500
F	.279(7.09)	.650(16.51)	.289(7.34)	.686(17.42)	.822(20.88)	.025(.64)	500
G	.341(8.66)	.750(19.05)	.351(8.92)	.786(19.96)	.922(23.42)	.025(.64)	400

Cap (μF)	Case Code	Max DCL @ +25°C (μA)	Max D.F. % @ +25°C 120 Hz	Catalog Number
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6 WVDC @ 85°C 4 WVDC @ 125°C

2.2	A	0.3	4	TAS225*006P1A
2.7	A	0.3	4	TAS275*006P1A
3.3	A	0.3	4	TAS335*006P1A
3.9	A	0.3	4	TAS395*006P1A
4.7	A	0.3	4	TAS475*006P1A
5.6	A	0.3	4	TAS565*006P1A
6.8	A	0.3	6	TAS685*006P1A
8.2	C	0.3	6	TAS825*006P1C
10	C	0.3	6	TAS106*006P1C
12	C	0.5	6	TAS126*006P1C
15	C	0.9	6	TAS156*006P1C
18	C	0.9	6	TAS186*006P1C
22	C	0.9	6	TAS226*006P1C
27	C	0.9	6	TAS276*006P1C
33	C	0.9	6	TAS336*006P1C
39	C	0.9	6	TAS396*006P1C
47	C	1.5	6	TAS476*006P1C
56	C	1.5	6	TAS566*006P1C
68	F	3.0	6	TAS686*006P1F
100	F	3.0	6	TAS107*006P1F
120	F	3.0	6	TAS127*006P1F
150	F	4.5	6	TAS157*006P1F
180	F	5.5	6	TAS187*006P1F
220	G	6.0	8	TAS227*006P1G
270	G	6.0	8	TAS277*006P1G
330	G	7.5	8	TAS337*006P1G

10 WVDC @ 85°C 7 WVDC @ 125°C

1.0	A	0.3	3	TAS105*010P1A
1.2	A	0.3	4	TAS125*010P1A
1.5	A	0.3	4	TAS155*010P1A
1.8	A	0.3	4	TAS185*010P1A
2.2	A	0.3	4	TAS225*010P1A
2.7	A	0.3	4	TAS275*010P1A
3.3	A	0.3	4	TAS335*010P1A
3.9	A	0.3	4	TAS395*010P1A
4.7	A	0.4	4	TAS475*010P1A
5.6	C	0.4	4	TAS565*010P1C

Cap (μF)	Case Code	Max DCL @ +25°C (μA)	Max D.F. % @ +25°C 120 Hz	Catalog Number
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10 WVDC @ 85°C 7 WVDC @ 125°C

6.8	C	1.0	6	TAS685*010P1C
8.2	C	1.0	6	TAS825*010P1C
10	C	1.0	6	TAS106*010P1C
12	C	1.0	6	TAS126*010P1C
15	C	1.0	6	TAS156*010P1C
18	C	1.0	6	TAS186*010P1C
22	C	2.0	6	TAS226*010P1C
27	C	2.0	6	TAS276*010P1C
33	C	2.0	6	TAS336*010P1C
39	C	2.0	6	TAS396*010P1C
47	F	3.0	6	TAS476*010P1F
56	F	3.0	6	TAS566*010P1F
68	F	3.0	6	TAS686*010P1F
100	F	5.0	6	TAS107*010P1F
120	F	5.0	6	TAS127*010P1F
150	G	9.0	6	TAS157*010P1G
180	G	9.0	6	TAS187*010P1G
220	G	10.0	8	TAS227*010P1G

15 WVDC @ 85°C 10 WVDC @ 125°C

0.39	A	0.3	3	TAS394*015P1A
0.47	A	0.3	3	TAS474*015P1A
0.56	A	0.3	3	TAS564*015P1A
0.68	A	0.3	3	TAS684*015P1A
0.82	A	0.3	3	TAS824*015P1A
1.0	A	0.3	3	TAS105*015P1A
1.2	A	0.3	4	TAS125*015P1A
1.5	A	0.3	4	TAS155*015P1A
1.8	A	0.3	4	TAS185*015P1A
2.2	A	0.3	4	TAS225*015P1A
2.7	A	0.3	4	TAS275*015P1A
3.3	A	0.4	4	TAS335*015P1A
3.9	C	0.4	4	TAS395*015P1C
4.7	C	0.7	4	TAS475*015P1C
5.6	C	0.7	4	TAS565*015P1C
6.8	C	0.7	6	TAS685*015P1C
8.2	C	0.7	6	TAS825*015P1C

Cap (μF)	Case Code	Max DCL @ +25°C (μA)	Max D.F. % @ +25°C 120 Hz	Catalog Number
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15 WVDC @ 85°C 10 WVDC @ 125°C

10	C	1.0	6	TAS106*015P1C
12	C	1.0	6	TAS126*015P1C
15	C	2.0	6	TAS156*015P1C
18	C	2.0	6	TAS186*015P1C
22	C	2.0	6	TAS226*015P1C
27	F	3.0	6	TAS276*015P1F
33	F	3.0	6	TAS336*015P1F
39	F	3.0	6	TAS396*015P1F
47	F	4.0	6	TAS476*015P1F
56	F	4.0	6	TAS566*015P1F
68	F	5.0	6	TAS686*015P1F
82	G	6.0	6	TAS826*015P1G
100	G	6.0	6	TAS107*015P1G
120	G	6.0	6	TAS127*015P1G
150	G	8.0	6	TAS157*015P1G

20 WVDC @ 85°C 13 WVDC @ 125°C

0.047	A	0.1	3	TAS473*020P1A
0.056	A	0.1	3	TAS563*020P1A
0.068	A	0.1	3	TAS683*020P1A
0.082	A	0.1	3	TAS823*020P1A
0.10	A	0.3	3	TAS104*020P1A
0.12	A	0.3	3	TAS124*020P1A
0.15	A	0.3	3	TAS154*020P1A
0.18	A	0.3	3	TAS184*020P1A
0.22	A	0.3	3	TAS224*020P1A
0.27	A	0.3	3	TAS274*020P1A
0.39	A	0.3	3	TAS394*020P1A
0.47	A	0.3	3	TAS474*020P1A
0.56	A	0.3	3	TAS564*020P1A
0.68	A	0.3	3	TAS684*020P1A
0.82	A	0.3	3	TAS824*020P1A
1.0	A	0.3	3	TAS105*020P1A
1.2	A	0.3	4	TAS125*020P1A
1.5	A	0.3	4	TAS155*020P1A
1.8	A	0.3	4	TAS185*020P1A
2.2	A	0.4	4	TAS225*020P1A
2.7	C	0.5	4	TAS275*020P1C

* Indicate capacitance tolerance: J = 5±%, K = ±10%, M = ±20%

Type TAS Solid Tantalum Capacitors

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Cap (μF)	Case Code	Max DCL @ +25°C (μA)	Max D.F. % @ +25°C 120 Hz	Catalog Number
20 WVDC @ 85°C 13 WVDC @ 125°C				
3.3	C	1.0	4	TAS335*020P1C
3.9	C	1.0	4	TAS395*020P1C
4.7	C	1.0	4	TAS475*020P1C
5.6	C	1.0	4	TAS565*020P1C
6.8	C	1.0	6	TAS685*020P1C
8.2	C	1.0	6	TAS825*020P1C
10	C	1.0	6	TAS106*020P1C
12	C	1.0	6	TAS126*020P1C
15	C	2.0	6	TAS156*020P1C
18	F	2.0	6	TAS186*020P1F
22	F	2.5	6	TAS226*020P1F
27	F	2.5	6	TAS276*020P1F
33	F	3.0	6	TAS336*020P1F
39	F	3.0	6	TAS396*020P1F
47	F	4.5	6	TAS476*020P1F
56	G	5.5	6	TAS566*020P1G
68	G	6.0	6	TAS686*020P1G
82	G	6.0	6	TAS826*020P1G
100	G	10.0	6	TAS107*020P1G

Cap (μF)	Case Code	Max DCL @ +25°C (μA)	Max D.F. % @ +25°C 120 Hz	Catalog Number
35 WVDC @ 85°C 23 WVDC @ 125°C				
0.0047	A	0.1	3	TAS472*035P1A
0.0056	A	0.1	3	TAS562*035P1A
0.0068	A	0.1	3	TAS682*035P1A
0.0082	A	0.1	3	TAS822*035P1A
0.01	A	0.1	3	TAS103*035P1A
0.012	A	0.1	3	TAS123*035P1A
0.015	A	0.1	3	TAS153*035P1A
0.018	A	0.1	3	TAS183*035P1A
0.022	A	0.1	3	TAS223*035P1A
0.027	A	0.1	3	TAS273*035P1A
0.033	A	0.1	3	TAS333*035P1A
0.039	A	0.1	3	TAS393*035P1A
0.047	A	0.1	3	TAS473*035P1A
0.056	A	0.1	3	TAS563*035P1A
0.068	A	0.1	3	TAS683*035P1A
0.082	A	0.1	3	TAS823*035P1A
0.10	A	0.5	3	TAS104*035P1A
0.12	A	0.5	3	TAS124*035P1A
0.15	A	0.5	3	TAS154*035P1A
0.18	A	0.5	3	TAS184*035P1A
0.22	A	0.5	3	TAS224*035P1A
0.27	A	0.5	3	TAS274*035P1A
0.39	A	0.5	3	TAS394*035P1A
0.47	A	0.5	3	TAS474*035P1A
0.56	A	0.5	3	TAS564*035P1A
0.68	A	0.5	3	TAS684*035P1A
0.82	A	0.5	3	TAS824*035P1A
1.0	A	0.5	3	TAS105*035P1A
1.2	C	0.5	4	TAS125*035P1C
1.5	C	0.5	4	TAS155*035P1C
1.8	C	0.5	4	TAS185*035P1C
2.2	C	1.0	4	TAS225*035P1C
2.7	C	1.0	4	TAS275*035P1C
3.3	C	1.0	4	TAS335*035P1C
3.9	C	1.0	4	TAS395*035P1C
4.7	C	1.0	4	TAS475*035P1C
5.6	C	1.0	4	TAS565*035P1C
6.8	C	1.5	4	TAS685*035P1C
8.2	F	3.0	4	TAS825*035P1F
10	F	3.0	4	TAS106*035P1F
12	F	3.0	4	TAS126*035P1F
15	F	3.0	4	TAS156*035P1F
18	F	3.0	4	TAS186*035P1F
22	F	4.0	4	TAS226*035P1F
27	G	4.5	4	TAS276*035P1G
33	G	5.5	4	TAS336*035P1G
39	G	6.0	4	TAS396*035P1G
47	G	8.0	4	TAS476*035P1G

Cap (μF)	Case Code	Max DCL @ +25°C (μA)	Max D.F. % @ +25°C 120 Hz	Catalog Number
50 WVDC @ 85°C 33 WVDC @ 125°C				
0.0047	A	0.1	2	TAS472*050P1A
0.0056	A	0.1	2	TAS562*050P1A
0.0068	A	0.1	2	TAS682*050P1A
0.0082	A	0.1	2	TAS822*050P1A
0.01	A	0.1	2	TAS103*050P1A
0.012	A	0.1	2	TAS123*050P1A
0.015	A	0.1	2	TAS153*050P1A
0.018	A	0.1	2	TAS183*050P1A
0.022	A	0.1	2	TAS223*050P1A
0.027	A	0.1	2	TAS273*050P1A
0.033	A	0.1	2	TAS333*050P1A
0.039	A	0.1	2	TAS393*050P1A
0.047	A	0.1	2	TAS473*050P1A
0.056	A	0.1	2	TAS563*050P1A
0.068	A	0.1	2	TAS683*050P1A
0.082	A	0.1	2	TAS823*050P1A
0.10	A	0.3	2	TAS104*050P1A
0.12	A	0.3	2	TAS124*050P1A
0.15	A	0.3	2	TAS154*050P1A
0.18	A	0.3	2	TAS184*050P1A
0.22	A	0.3	2	TAS224*050P1A
0.27	A	0.3	2	TAS274*050P1A
0.39	A	0.3	2	TAS394*050P1A
0.47	A	0.3	2	TAS474*050P1A
0.56	A	0.3	2	TAS564*050P1A
0.68	A	0.3	2	TAS684*050P1A
0.82	A	0.3	2	TAS824*050P1A
1.0	A	0.4	2	TAS105*050P1A
1.2	C	0.4	4	TAS125*050P1C
1.5	C	0.5	4	TAS155*050P1C
1.8	C	0.5	4	TAS185*050P1C
2.2	C	0.8	4	TAS225*050P1C
2.7	C	0.8	4	TAS275*050P1C
3.3	C	1.2	4	TAS335*050P1C
3.9	C	1.5	4	TAS395*050P1C
4.7	C	1.7	4	TAS475*050P1C
5.6	F	2.2	4	TAS565*050P1F
6.8	F	2.2	4	TAS685*050P1F
8.2	F	2.5	4	TAS825*050P1F
10	F	2.5	4	TAS106*050P1F
12	F	3.0	4	TAS126*050P1F
15	F	4.0	4	TAS156*050P1F
18	F	4.5	4	TAS186*050P1F
22	G	5.5	4	TAS226*050P1G

Cap (μF)	Case Code	Max DCL @ +25°C (μA)	Max D.F. % @ +25°C 120 Hz	Catalog Number
75 WVDC @ 85°C 50 WVDC @ 125°C				
0.0047	A	0.3	2	TAS472*075P1A
0.0056	A	0.3	2	TAS562*075P1A
0.0068	A	0.3	2	TAS682*075P1A
0.0082	A	0.3	2	TAS822*075P1A
0.01	A	0.3	2	TAS103*075P1A
0.012	A	0.3	2	TAS123*075P1A
0.015	A	0.3	2	TAS153*075P1A
0.018	A	0.3	2	TAS183*075P1A
0.022	A	0.3	2	TAS223*075P1A
0.027	A	0.3	2	TAS273*075P1A
0.033	A	0.3	2	TAS333*075P1A
0.039	A	0.3	2	TAS393*075P1A
0.047	A	0.3	2	TAS473*075P1A
0.056	A	0.3	2	TAS563*075P1A
0.068	A	0.3	2	TAS683*075P1A
0.082	A	0.3	2	TAS823*075P1A
0.10	A	0.3	2	TAS104*075P1A
0.12	A	0.3	2	TAS124*075P1A
0.15	A	0.3	2	TAS154*075P1A
0.18	A	0.3	2	TAS184*075P1A
0.22	A	0.3	2	TAS224*075P1A
0.27	A	0.3	2	TAS274*075P1A
0.33	A	0.3	2	TAS334*075P1A

Cap (μF)	Case Code	Max DCL @ +25°C (μA)	Max D.F. % @ +25°C 120 Hz	Catalog Number
75 WVDC @ 85°C 50 WVDC @ 125°C				
0.39	A	0.3	2	TAS394*075P1A
0.47	A	0.3	2	TAS474*075P1A
0.56	A	0.3	2	TAS564*075P1A
0.68	A	0.3	2	TAS684*075P1A
0.82	C	0.3	2	TAS824*075P1C
1.0	C	0.3	2	TAS105*075P1C
1.2	C	0.3	4	TAS125*075P1C
1.5	C	0.6	4	TAS155*075P1C
1.8	C	0.7	4	TAS185*075P1C
2.2	C	0.8	4	TAS225*075P1C
2.7	C	1.0	4	TAS275*075P1C
3.3	C	1.2	4	TAS335*075P1C
3.9	C	1.5	4	TAS395*075P1C
4.7	F	3.0	4	TAS475*075P1F
5.6	F	3.0	4	TAS565*075P1F
6.8	F	5.0	4	TAS685*075P1F
8.2	F	5.0	4	TAS825*075P1F
10	F	5.0	4	TAS106*075P1F
12	G	5.0	4	TAS126*075P1G
15	G	7.0	4	TAS156*075P1G

Cap (μF)	Case Code	Max DCL @ +25°C (μA)	Max D.F. % @ +25°C 120 Hz	Catalog Number
100 WVDC @ 85°C 67 WVDC @ 125°C				
0.0047	A	0.3	2	TAS472*100P1A
0.0056	A	0.3	2	TAS562*100P1A
0.0068	A	0.3	2	TAS682*100P1A
0.0082	A	0.3	2	TAS822*100P1A
0.01	A	0.3	2	TAS103*100P1A
0.012	A	0.3	2	TAS123*100P1A
0.015	A	0.3	2	TAS153*100P1A
0.018	A	0.3	2	TAS183*100P1A
0.022	A	0.3	2	TAS223*100P1A
0.027	A	0.3	2	TAS273*100P1A
0.033	A	0.3	2	TAS333*100P1A
0.039	A	0.3	2	TAS393*100P1A
0.047	A	0.3	2	TAS473*100P1A
0.056	A	0.3	2	TAS563*100P1A
0.068	A	0.3	2	TAS683*100P1A
0.082	A	0.3	2	TAS823*100P1A
0.10	A	0.3	2	TAS104*100P1A
0.12	A	0.3	2	TAS124*100P1A
0.15	A	0.3	2	TAS154*100P1A
0.18	A	0.3	2	TAS184*100P1A
0.22	A	0.3	2	TAS224*100P1A
0.27	A	0.3	2	TAS274*100P1A
0.33	A	0.3	2	TAS334*100P1A
0.39	A	0.3	2	TAS394*100P1A
0.47	A	0.3	2	TAS474*100P1A
0.56	A	0.3	2	TAS564*100P1A
0.68	C	0.3	2	TAS684*100P1C
0.82	C	0.4	2	TAS824*100P1C
1.0	C	0.5	2	TAS105*100P1C
1.2	C	0.5	3	TAS125*100P1C
1.5	C	0.7	3	TAS155*100P1C
1.8	C	0.7	3	TAS185*100P1C
2.2	C	0.9	3	TAS225*100P1C
2.7	C	1.1	3	TAS275*100P1C
3.3	F	1.5	3	TAS335*100P1F
3.9	F	1.5	3	TAS395*100P1F
4.7	F	2.5	3	TAS475*100P1F
5.6	F	2.5	3	TAS565*100P1F
6.8	F	2.5	3	TAS685*100P1F
8.2	G	5.0	3	TAS825*100P1G
10	G	5.0	3	TAS106*100P1G

* Indicate capacitance tolerance:

J = ±5%
K = ±10%
M = ±20%