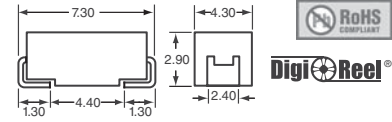


AVX TAW Series – Fused Tantalum Capacitors

The TAW fused tantalum capacitors offer protection from possible damaging short circuit failure modes. This is accomplished with an internal fuse using thin film technology that is in series with the capacitor. The AVX fused tantalum offers lower ESR limits than competitive fused tantalum capacitors.

Specifications:

- Operating Temperature Range: -55°C ~ 125°C • Fuse Continuous Current Capability: 0.75A



Rated Voltage (V)	Capacitance (μF)	Cap. Tol. %	Case Size	DF % Max.	DCL (μA) Max.	ESR Max. (mΩ) @100kHz	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel Pricing 500	AVX Part No.
								1	10	100			
10	47	20	D	6	4.7	500	478-4744-1-ND	2.60	2.27	1.98	478-4744-2-ND	473.77	TAWD476M010R0500
	100	10	D	8	10	500	478-4747-1-ND	2.85	2.48	2.17	478-4747-2-ND	518.79	TAWD107K010R0500
	100	20	D	8	10	500	478-4748-1-ND	2.60	2.27	1.98	478-4748-2-ND	473.77	TAWD107M010R0500
25	10	10	D	6	2.5	600	478-4749-1-ND	3.06	2.66	2.33	478-4749-2-ND	556.38	TAWD106K025R0600
	10	20	D	6	2.5	600	478-4750-1-ND	2.77	2.41	2.11	478-4750-2-ND	503.51	TAWD106M025R0600
50	6.8	10	D	6	3.4	700	478-4751-1-ND	4.63	4.03	3.52	478-4751-2-ND	841.80	TAWD685K050R0700
	6.8	20	D	6	3.4	700	478-4752-1-ND	4.21	3.67	3.21	478-4752-2-ND	766.62	TAWD685M050R0700

TLC and TLJ Series – Tantalum Solid Electrolytic Capacitors

The consumer TLJ and TLC Series of tantalum capacitors offer a high capacitance vs. voltage ratio based on stable MnO₂ electrode capacitors. They are suitable for a wide range of consumer electronic applications such as the latest portable handheld electronics, cellular phones, PDAs or other digital equipment and cameras • Temperature Range: -55°C ~ 125°C • Capacitance Tolerance: ±20%



TLC SERIES:

Case Size	EIA Code	Dimensions - mm				
		L	W	H	S (Min.)	Lt. (Min.)
K	0402	1.00	0.50	0.50	0.40	0.10
L	0603	1.60	0.85	0.85	0.55	0.15
R	0805	2.00	1.35	1.35	0.70	0.15
U	0805	2.00	1.35	0.60 Max.	0.70	0.15

Fig. 1 – TLC Series

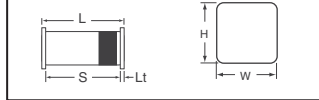
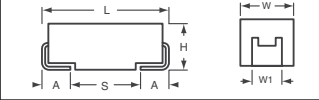


Fig. 2 – TLJ Series



TLJ SERIES:

Case Size	EIA Code	Dimensions - mm					
		L	W	H	W1	S (Min.)	A
A	3216-18	3.20	1.60	1.60	1.20	1.10	0.80
B	3528-21	3.50	2.80	1.90	2.20	1.40	0.80
F	6032-20	6.00	3.20	2.00	2.20	2.90	1.30
G	3216-16	3.20	1.60	1.50 Max.	1.20	1.10	0.80
H	3528-15	3.50	2.80	1.50 Max.	2.20	1.10	0.80
K	3216-10	3.20	1.60	1.00	1.20	1.10	0.80
N	2013-10	2.05	1.30	1.00	1.00	0.85	0.50
P	2012-15	2.05	1.35	1.50 Max.	1.00	0.85	0.50
R	2012-12	2.05	1.30	1.20 Max.	1.00	0.85	0.50
T	3528-12	3.50	2.80	1.20 Max.	2.20	1.40	0.80
W	6032-15	6.00	3.20	1.50 Max.	2.20	2.90	1.30
Y	7343-20	7.30	4.30	2.00 Max.	2.40	4.40	1.30

Fig.	Rated Voltage (V)	Capacitance (μF)	Case Size	DCL (μA) Maximum	ESR Maximum (mΩ) @100kHz	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel		AVX Part No.	
							1	10	100		Qty.	Pricing		
1	4	4.7	K	5	15,000	478-3340-1-ND	5.49	4.78	4.18	478-3340-2-ND	1,000	1900.03	TLCK475M004QTA	
	4	6.8	K	0.5	15,000	478-5264-1-ND	5.49	4.78	4.18	478-5264-2-ND	10,000	1648.07/M	TLCCK685M004PTA	
	4	10	K	0.5	15,000	478-5245-1-ND	5.49	4.78	4.18	478-5245-2-ND	1,000	1999.99	TLCK106M004QTA	
	4	47	L	1.9	7,500	478-4705-1-ND	4.54	3.96	3.46	478-4705-2-ND	3,500	1653.86/M	TLCR476M004RTA	
	4	100	R	4.0	5,000	478-3341-1-ND	3.16	2.75	2.41	478-3341-2-ND	500	546.47	TLCR107M004XTA	
	6.3	10	K	0.6	15,000	478-5343-1-ND	5.49	4.78	4.18	478-5343-2-ND	1,000	1867.81	TLCK106M006QTA	
	6.3	22	L	1.4	7,500	478-3343-1-ND	2.42	2.11	1.84	478-3343-2-ND	500	439.90	TLCR226M006XTA	
	6.3	33	L	2.1	7,500	478-4877-1-ND	2.42	2.11	1.84	478-4877-2-ND	3,500	821.97/M	TLCR336M006RTA	
	6.3	100	R	6	5,000	478-5263-1-ND	3.17	2.76	2.42	478-5263-2-ND	2,500	1078.89/M	TLCR107M006RTA	
	10	10	U	1.0	5,000	478-4876-1-ND	3.16	2.75	2.41	478-4876-2-ND	3,500	1074.76/M	TLCU106M010RTA	
	10	47	R	4.7	5,000	478-3347-1-ND	3.16	2.75	2.41	478-3347-2-ND	500	546.47	TLCR476M010XTA	
	16	3.3	L	0.5	7,500	478-4949-1-ND	2.42	2.11	1.84	478-4949-2-ND	3,500	821.97/M	TLCR335M016RTA	
	35	1	R	0.5	5,000	478-5265-1-ND	3.17	2.76	2.42	478-5265-2-ND	2,500	1078.89/M	TLCR105M035RTA	
	2	4	47	N	1.9	4,000	478-5627-1-ND	2.48	2.16	1.89	478-5627-2-ND	3,000	902.10/M	TLJN476M004R4000
		4	47	R	1.9	3,000	478-3441-1-ND	2.48	2.16	1.89	478-3441-2-ND	2,500	842.63/M	TLJR476M004R3000
		4	68	N	5.4	8,000	478-5630-1-ND	2.48	2.16	1.89	478-5630-2-ND	3,000	902.10/M	TLJN686M004R8000
4		68	R	2.7	2,900	478-4924-1-ND	2.48	2.16	1.89	478-4924-2-ND	2,500	842.63/M	TLJR686M004R2900	
4		100	A	4.0	500	478-3342-1-ND	1.73	1.51	1.32	478-3342-2-ND	2,000	560.10/M	TLJA107M004R0500	
4		100	N	8.0	5,200	478-5631-1-ND	2.48	2.16	1.89	478-5631-2-ND	3,000	902.10/M	TLJN107M004R5200	
4		100	P	8.0	2,700	478-4923-1-ND	2.48	2.16	1.89	478-4923-2-ND	2,500	842.63/M	TLJP107M004R2700	
4		220	A	17.6	1,100	478-4922-1-ND	2.56	2.23	1.95	478-4922-2-ND	2,000	870.71/M	TLJA227M004R1100	
4		220	G	17.6	3,000	478-5987-1-ND	2.27	1.98	1.73	478-5987-2-ND	2,500	817.84/M	TLJG227M004R3000	
4		220	T	8.8	1,100	478-4319-1-ND	2.27	1.98	1.73	478-4319-2-ND	2,500	772.41/M	TLJT227M004R1100	
6.3		330	T	26.4	2,700	478-5988-1-ND	2.68	2.34	2.05	478-5988-2-ND	2,500	966.54/M	TLJT337M004R2700	
6.3		33	N	1.3	5,400	478-4769-1-ND	2.48	2.16	1.89	478-4769-2-ND	3,000	902.10/M	TLJN226M006R5400	
6.3		33	N	2.0	8,000	478-4767-1-ND	2.48	2.16	1.89	478-4767-2-ND	3,000	902.10/M	TLJN336M006R8000	
6.3		33	K	2.0	1,700	478-5348-1-ND	2.16	1.88	1.64	478-5348-2-ND	3,000	731.93/M	TLJK336M006R1700	
6.3		33	R	2.0	3,000	478-3344-1-ND	2.48	2.16	1.89	478-3344-2-ND	2,500	800.50/M	TLJR336M006R3000	
6.3		47	K	2.8	1,500	478-5349-1-ND	2.16	1.88	1.64	478-5349-2-ND	3,000	731.93/M	TLJK476M006R1500	
6.3		47	N	5.6	8,300	478-5629-1-ND	2.48	2.16	1.89	478-5629-2-ND	3,000	902.10/M	TLJN476M006R8300	
6.3		47	P	2.8	900	478-5407-1-ND	2.48	2.16	1.89	478-5407-2-ND	2,500	842.63/M	TLJP476M006R0900	
6.3		47	R	2.8	3,200	478-4696-1-ND	2.48	2.16	1.89	478-4696-2-ND	2,500	842.63/M	TLJR476M006R3200	
6.3		100	A	6.0	500	478-3345-1-ND	2.56	2.23	1.95	478-3345-2-ND	2,000	826.93/M	TLJA107M006R0500	
6.3		100	G	6.0	800	478-4948-1-ND	2.27	1.98	1.73	478-4948-2-ND	2,500	772.41/M	TLJG107M006R0800	
6.3		100	P	12	5,400	478-5260-1-ND	2.48	2.16	1.89	478-5260-2-ND	2,500	842.63/M	TLJP107M006R5400	
6.3		150	H	9.0	900	478-5347-1-ND	1.68	1.46	1.28	478-5347-2-ND	2,500	570.01/M	TLJH157M006R0900	
6.3		330	F	19.8	300	478-5689-1-ND	3.80	3.31	2.89	478-5689-2-ND	1,000	1382.89	TLJF337M006R3000	
6.3		220	T	26.4	2,000	478-5989-1-ND	2.68	2.34	2.05	478-5989-2-ND	2,500	966.54/M	TLJT227M006R2000	
6.3		680	Y	40.8	150	478-5530-1-ND	3.46	3.02	2.64	478-5530-2-ND	1,000	1259.80	TLJY687M006R0150	
10		10	R	1.0	2,000	478-6136-1-ND	2.48	2.16	1.89	478-6136-2-ND	2,500	842.63/M	TLJR106M010R2000	
10		10	R	1.0	3,000	478-3346-1-ND	2.27	1.98	1.73	478-3346-2-ND	2,500	733.58/M	TLJR106M010R3000	
10		22	N	2.2	3,800	478-4694-1-ND	2.48	2.16	1.89	478-4694-2-ND	3,000	842.63/M	TLJN226M010R3800	
10		22	R	2.2	3,800	478-4695-1-ND	2.48	2.16	1.89	478-4695-2-ND	2,500	842.63/M	TLJR226M010R3800	
10		33	K	3.3	1,500	478-4770-1-ND	2.68	2.34	2.05	478-4770-2-ND	3,000	977.28/M	TLJK336M010R1500	
10		33	N	6.6	9,600	478-5628-1-ND	2.48	2.16	1.89	478-5628-2-ND	3,000	902.10/M	TLJN336M010R9600	
10		33	P	3.3	3,500	478-5350-1-ND	1.00	.87	.76	478-5350-2-ND	2,500	338.70/M	TLJP336M010R3500	
10		47	R	18.8	3,200	478-5990-1-ND	2.48	2.16	1.89	478-5990-2-ND	2,500	892.19/M	TLJR476M010R3200	
10		47	T	4.7	600	478-3348-1-ND	2.68	2.34	2.05	478-3348-2-ND	2,500	867.41/M	TLJR476M010R0600	
10		68	A	6.8	1,500	478-4925-1-ND	2.52	2.20	1.92	478-4925-2-ND	2,000	856.67/M	TLJA686M010R1500	
10	100	A	10.0	1,400	478-5651-1-ND	2.56	2.23	1.95	478-5651-2-ND	2,000	870.71/M	TLJA107M010R1400		
10	150	B	15	500	478-3349-1-ND	2.68	2.34	2.05	478-3349-2-ND	2,000	867.41/M	TLJB157M010R0500		
10	150</													