

AVX Tantalum Solid Electrolytic Chip Capacitors



AVX TANTALUM CHIP CAPACITORS

The consumer TLJ series of tantalum capacitors offers high capacitance vs. voltage ratio based on stable MnO₂ electrode capacitors. The TLJ series complies with RoHS requirements and it is an environmentally friendly component ready for lead-free assembly systems up to 3x reflow with 260°C peak temperature. The TLJ series is suitable for wide range of consumer electronic applications such as the latest portable handheld electronics, cellular phones, PDAs or other digital equipment and cameras.

Specifications:

- Technical Data: All technical data relate to an ambient temperature of +25°C
- Capacitance Tolerance: ±20%
- Temperature Range: -55°C to +125°C with category voltage
- Reliability: 0.2% per 1000 hours at 85°C, 0.5xVR with 0.1ΩV series impedance with 60% confidence level

Features:

- High Volumetric Efficiency
- Environmentally Friendly
- Small & Low Profile Cases
- 3x Reflow 260°C Compatible
- Consumer Applications

Rated Voltage (VR) -55°C ≤ +40°C:	4	6.3	10	16	20
Category Voltage (VC) at 85°C:	2	3.15	5	8	10
Category Voltage (VC) at 125°C:	0.8	1.26	2	3.2	4

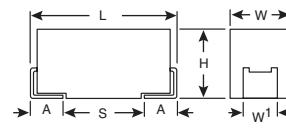


RoHS Compliant



LEAD-FREE
Lead-Free Compatible Component

DIMENSIONS: mm (in.)



Code	EIA Code	L ±0.20 (0.008)	W +0.20 (0.008) -0.10 (0.004)	H +0.20 (0.008) -0.10 (0.004)	W ₁ ±0.20 (0.008)	A +0.30 (0.012) -0.20 (0.008)	S Min.
A	3216-18	3.20 (0.126)	1.60 (0.063)	1.60 (0.063)	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
B	3528-21	3.50 (0.138)	2.80 (0.110)	1.90 (0.075)	2.20 (0.087)	0.80 (0.031)	1.40 (0.055)
G	3216-16	3.20 (0.126)	1.60 (0.063)	1.50 (0.059) max	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
H	3528-15	3.50 (0.138)	2.80 (0.110)	1.50 (0.059) max	2.20 (0.087)	0.80 (0.031)	1.40 (0.055)
K	3216-10	3.20 (0.126)	1.60 (0.063)	1.0 (0.039) max	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
N	2012-12	2.05 (0.081)	1.3 (0.051)	1.0 (0.039) max	1.0 (0.039)	.50 (0.020)	0.85 (0.033)
P	2012-15	2.05 (0.081)	1.35 (0.053)	1.50 (0.059) max	1.0±0.10 (0.039±0.004)	.50 (0.020)	0.85 (0.033)
R	2012-12	2.05 (0.081)	1.30 (0.051)	1.20 (0.047) max	1.0±0.10 (0.039±0.004)	.50 (0.020)	0.85 (0.033)
S	3216-12	3.20 (0.126)	1.60 (0.063)	1.20 (0.047) max	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
T	3528-12	3.50 (0.138)	2.80 (0.110)	1.20 (0.047) max	2.20 (0.087)	0.80 (0.031)	1.40 (0.033)
W	6032-15	6.00 (0.236)	3.20 (0.126)	1.50 (0.059) max	2.20 (0.087)	1.30 (0.051)	2.90 (0.114)
Y	7343-20	7.30 (0.287)	4.30 (0.169)	2.00 (0.079) max	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)

TLJ Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	Case Size	Value (µF)	Voltage (DC)	Max. Surge Current (A)	DCL (µA) Max.	ESR (Ω) @ 100 kHz	100kHz Ripple Current (mA) 125°C	100kHz Ripple Voltage (mV) 125°C	Price Each				Tape and Reel	
										1	50	100	500	Qty per Reel	Price Each
581-TLJN336M004R8000	TLJN336M004R8000	N	33	4	0.2	1.3	8000	32	253	1.21	.97	.91	.80	3000	.735
581-TLJR336M004R3000	TLJR336M004R3000	R	33	4	0.6	1.3	3000	54	162	1.21	.97	.91	.74	2500	.735
581-TLJR476M004R3000	TLJR476M004R3000	R	47	4	0.6	1.9	3000	54	162	1.21	.97	.91	.74	2500	.735
581-TLJR686M004R2900	TLJR686M004R2900	R	68	4	0.6	2.7	2900	55	160	1.21	.97	.91	.74	2500	.735
581-TLJS686M004R1500	TLJS686M004R1500	S	68	4	1	2.7	1500	83	125	3.10	2.50	2.35	1.86	2500	1.01
581-TLJA107M004R0500	TLJA107M004R0500	A	100	4	2.1	4	500	155	77	2.10	1.70	1.59	1.26	2000	1.11
581-TLJG107M004R0800	TLJG107M004R0800	G	100	4	1.6	4	800	118	95	2.75	2.20	2.09	1.65	2500	.93
581-TLJP107M004R2700	TLJP107M004R2700	P	100	4	0.6	8.0	2700	60	161	1.21	.97	.91	.74	2500	.735
581-TLJS107M004R1400	TLJS107M004R1400	S	100	4	1.1	4	1400	83	125	3.10	2.50	2.35	1.86	2500	1.01
581-TLJA157M004R0800	TLJA157M004R0800	A	150	4	1.6	6	800	122	98	3.10	2.50	2.36	1.86	2000	1.01
581-TLJT157M004R0800	TLJT157M004R0800	T	150	4	1.6	6	800	126	101	2.75	2.31	2.09	1.65	2500	.93
581-TLJA227M004R1100	TLJA227M004R1100	A	220	4	1.3	17.6	1100	104	115	3.10	2.50	2.36	1.86	2000	1.01
581-TLJG227M004R3000	TLJG227M004R3000	G	220	4	0.6	17.6	3000	61	183	2.75	2.39	2.09	1.65	2500	.93
581-TLJH227M004R0900	TLJH227M004R0900	H	220	4	1.5	8.8	900	119	107	1.21	.97	.91	.74	2500	.735
581-TLJT227M004R1100	TLJT227M004R1100	T	220	4	1.3	8.8	1100	126	101	2.75	2.31	2.09	1.65	2500	.93
581-TLJW337M004R0200	TLJW337M004R0200	W	330	4	3.1	13.2	200	268	54	4.25	3.50	3.23	2.55	1000	1.47
581-TLJT337M004R2700	TLJT337M004R2700	T	330	4	0.6	26.4	2700	69	186	2.75	2.31	2.09	1.65	2500	.93
581-TLJP476M006R0900	TLJP476M006R0900	P	4	6.3	2.3	2.8	900	103	93	1.21	.97	.91	.74	2500	.735
581-TLJN226M006R5400	TLJN226M006R5400	N	22	6.3	0.5	1.3	5400	38	208	1.21	.97	.91	.80	3000	.735
581-TLJR226M006R3500	TLJR226M006R3500	R	22	6.3	0.8	1.3	3500	50	175	1.21	.97	.91	.74	2500	.735
581-TLJK336M006R1700	TLJK336M006R1700	K	33	6.3	1.5	2	1700	78	133	2.75	2.31	2.09	1.65	3000	.93
581-TLJN336M006R8000	TLJN336M006R8000	N	33	6.3	0.4	2	8000	32	253	1.21	.97	.91	.80	3000	.735
581-TLJP336M006R3000	TLJP336M006R3000	P	33	6.3	0.9	2	3000	57	170	1.21	.97	.91	.74	2500	.735
581-TLJR336M006R3000	TLJR336M006R3000	R	33	6.3	0.9	2	3000	54	162	1.21	.97	.91	.74	2500	.735
581-TLJK476M006R1500	TLJK476M006R1500	K	47	6.3	1.6	2.8	1500	83	125	2.75	2.31	2.09	1.65	3000	.93
581-TLJP476M006R2500	TLJP476M006R2500	P	47	6.3	1.1	2.8	2500	62	155	1.21	.97	.91	.74	2500	.735
581-TLJR476M006R3200	TLJR476M006R3200	R	47	6.3	0.9	2.8	3200	52	168	1.21	.97	.91	.74	2500	.735
581-TLJS476M006R1500	TLJS476M006R1500	S	47	6.3	1.6	2.8	1500	83	125	3.10	2.50	2.35	1.86	2500	1.01
581-TLJA686M006R0500	TLJA686M006R0500	A	68	6.3	3.3	4.1	500	155	77	2.10	1.70	1.59	1.26	2000	1.05
581-TLJG686M006R0800	TLJG686M006R0800	G	68	6.3	1.9	4.1	800	97	116	2.75	2.20	2.09	1.65	2500	.93
581-TLJT686M006R0600	TLJT686M006R0600	T	68	6.3	3	4.1	600	146	88	2.75	2.31	2.09	1.65	2500	.93
581-TLJA107M006R0500	TLJA107M006R0500	A	100	6.3	3.3	6	500	155	77	3.10	2.50	2.35	1.86	2000	1.01
581-TLJA107M006R0800	TLJA107M006R0800	A	100	6.3	2.5	6	800	122	98	3.10	2.50	2.36	1.86	2000	1.01
581-TLJG107M006R0800	TLJG107M006R0800	G	100	6.3	3.3	3.5	800	188	95	2.75	2.20	2.09	1.65	2500	.93
581-TLJG107M006R0800	TLJG107M006R0800	G	100	6.3	2.5	6	800	118	95	2.75	2.20	2.09	1.65	2500	.93
581-TLJP107M006R5400	TLJP107M006R5400	P	100	6.3	0.5	12.0	5400	42	228	1.21	.97	.91	.74	2500	.735
581-TLJT107M006R0800	TLJT107M006R0800	T	100	6.3	2.5	6	800	126	101	2.75	2.31	2.09	1.65	2500	.93
581-TLJH157M006R0900	TLJH157M006R0900	H	150	6.3	2.3	9	900	119	107	1.21	.97	.91	.74	2500	.735
581-TLJT157M006R1200	TLJT157M006R1200	T	150	6.3	1.9	9	1200	126	101	2.75	2.31	2.09	1.65	2500	.93
581-TLJT227M006R2000	TLJT227M006R2000	T	220	6.3	1.3	26.4	2000	80	160	2.75	2.31	2.09	1.65	2500	.93
581-TLJB227M006R0500	TLJB227M006R0500	B	220	6.3	3.3	13.2	500	165	82	2.75	2.31	2.09	1.65	2000	.93
581-TLJW227M006R0200	TLJW227M006R0200	W	220	6.3	4.8	13.2	200	268	54	4.25	3.50	3.23	2.55	1000	1.47
581-TLJY687M006R0150	TLJY687M006R0150	Y	680	6.3	5.7	40.8	150	365	55	4.19	3.48	3.18	2.51	1000	1.52
581-TLJR106M010R3000	TLJR106M010R3000	R	10	10	1.4	1	3000	54	162	1.21	.97	.91	.74	2500	.735
581-TLJR156M010R2000	TLJR156M010R2000	R	15	10	2	1.5	2000	66	133	1.21	.97	.91	.74	2500	.735
581-TLJN226M010R3800	TLJN226M010R3800	N	22	10	1.2	2.2	3800	46	174	1.21	.97	.91	.80	3000	.735
581-TLJR226M010R3800	TLJR226M010R3800	R	22	10	1.2	2.2	3800	48	183	1.21	.97	.91	.74	2500	.735
581-TLJK336M010R1500	TLJK336M010R1500	K	33	10	2.6	3.3	1500	83	125	2.75	2.31	2.09	1.65	3000	.93
581-TLJR336M010R3500	TLJR336M010R3500	R	33	10	1.3	3.3	3500	50	175	1.21	.97	.91	.74	2500	.735
581-TLJP336M010R3500	TLJP336M010R3500	P	33	10	1.3	3.3	3500	57	170	1.21	.97	.91	.74	2500	.735
581-TLJS336M010R1500	TLJS336M010R1500	S	33	10	2.6	3.3	1500	83	125	3.10	2.50	2.35	1.86	2500	1.01
581-TLJA476M010R0600	TLJA476M010R0600	A	47	10	4.8	4.7	600	141	85	2.10	1.70	1.59	1.26	2000	1.05
581-TLJG476M010R1500	TLJG476M010R1500	G	47	10	2.6	4.7	1500	86	130	2.75	2.20	2.09	1.65	2500	.93
581-TLJR476M010R3200	TLJR476M010R3200	R	47	10	1.4	18.8	3200	52	168	1.21	.97	.91	.74	2500	.735
581-TLJS476M010R1500	TLJS476M010R1500	S	47	10	2.6	4.7	1500	83	125	3.10	2.50	2.36	1.86	2500	1.01
581-TLJT476M010R0600	TLJT476M010R0600	T	47	10	4.8	4.7	600	146	88	2.75	2.31	2.09	1.65	2500	.93
581-TLJA686M010R1500	TLJA686M010R1500	A	68	10	2.6	6.8	1500	89	134	3.05	2.43	2.31	1.83	2000	1.03
581-TLJA107M010R1400	TLJA107M010R1400	A	100	10	2.7	10	1400	93	130	3.10	2.50	2.36	1.86	2000	1.01
581-TLJH107M010R0900	TLJH107M010R0900	H	100	10	3.7	10	900	119	107	1.21</					