

AVX Tantalum Solid Electrolytic Chip Capacitors

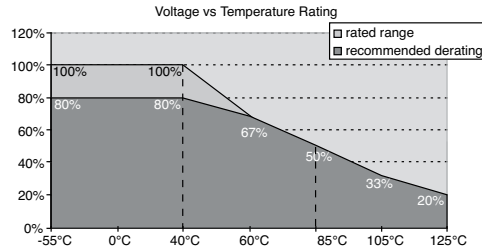
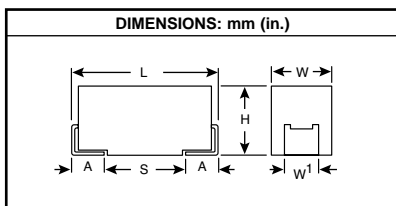


AVX TANTALUM CHIP CAPACITORS

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%
- | | | | | | | |
|-----------------------|----------------|-----|------|----|-----|----|
| 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 |
- Temperature Range: -55°C to +125°C with category voltage
 - Reliability: 0.2% per 1000 hours at 85°C, 0.5xVR with 0.1Ω/V series impedance with 60% confidence level



All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5 RMS with DC bias of 1.5V. DCL is measured at rated voltage after 5 minutes. ESR allowed to move up to 1.25 times catalog limit postmounting. DCL allowed to move up to 2.00 times catalog limit postmounting.

Features:

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



RoHS Compliant



LEAD-FREE
Lead-Free Compatible Component

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) max	.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)

TLJ Series

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Capacitance Value (µF)	Case Size	Rated Voltage	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					Qty per Reel	Price Each
										1	10	50	100	500		
581-TLJN336M004R8000	TLJN336M004R8000	33	N	4	0.2	1.3	8000	32	253						3000	
581-TLJR336M004R3000	TLJR336M004R3000	33	R	4	0.6	1.3	3000	54	162						2500	
581-TLJR476M004R3000	TLJR476M004R3000	47	R	4	0.6	1.9	3000	54	162						2500	
581-TLJS686M004R1500	TLJS686M004R1500	68	S	4	1	2.7	1500	83	125						2500	
581-TLJA107M004R0500	TLJA107M004R0500	100	A	4	2.1	4	500	155	77						2000	
581-TLJG107M004R0800	TLJG107M004R0800	100	G	4	1.6	4	800	118	95						2500	
581-TLJS107M004R1400	TLJS107M004R1400	100	S	4	1.1	4	1400	83	125						2500	
581-TLJA157M004R0800	TLJA157M004R0800	150	A	4	1.6	6	800	122	98						2000	
581-TLJT157M004R0800	TLJT157M004R0800	150	T	4	1.6	6	800	126	101						2500	
581-TLJH227M004R0900	TLJH227M004R0900	220	H	4	1.5	8.8	900	119	107						2500	
581-TLJT227M004R1100	TLJT227M004R1100	220	T	4	1.3	8.8	1100	126	101						2500	
581-TLJW337M004R0200	TLJW337M004R0200	330	W	4	3.1	13.2	200	268	54						1000	
581-TLJN226M006R5400	TLJN226M006R5400	22	N	6.3	0.5	1.3	5400	38	208						3000	
581-TLJR226M006R3500	TLJR226M006R3500	22	R	6.3	0.8	1.3	3500	50	175						2500	
581-TLJK336M006R1700	TLJK336M006R1700	33	K	6.3	1.5	2	1700	78	133						3000	
581-TLJN336M006R8000	TLJN336M006R8000	33	N	6.3	0.4	2	8000	32	253						3000	
581-TLJP336M006R3000	TLJP336M006R3000	33	P	6.3	0.9	2	3000	57	170						2500	
581-TLJR336M006R3000	TLJR336M006R3000	33	R	6.3	0.9	2	3000	54	162						2500	
581-TLJK476M006R1500	TLJK476M006R1500	47	K	6.3	1.6	2.8	1500	83	125						3000	
581-TLJP476M006R2500	TLJP476M006R2500	47	P	6.3	1.1	2.8	2500	62	155						2500	
581-TLJR476M006R3200	TLJR476M006R3200	47	R	6.3	0.9	2.8	3200	52	168						2500	
581-TLJS476M006R1500	TLJS476M006R1500	47	S	6.3	1.6	2.8	1500	83	125						2500	
581-TLJA686M006R0500	TLJA686M006R0500	68	A	6.3	3.3	4.1	500	155	77						2000	
581-TLJG686M006R0800	TLJG686M006R0800	68	G	6.3	1.9	4.1	800	97	116						2500	
581-TLJT686M006R0600	TLJT686M006R0600	68	T	6.3	3	4.1	600	146	88						2500	
581-TLJA107M006R0500	TLJA107M006R0500	100	A	6.3	3.3	6	500	155	77						2000	
581-TLJA107M006R0800	TLJA107M006R0800	100	A	6.3	2.5	6	800	122	98						2000	
581-TLJT107M006R0800	TLJT107M006R0800	100	T	6.3	2.5	6	800	126	101						2500	
581-TLJH157M006R0900	TLJH157M006R0900	150	H	6.3	2.3	9	900	119	107						2500	
581-TLJT157M006R1200	TLJT157M006R1200	150	T	6.3	1.9	9	1200	126	101						2500	
581-TLJB227M006R0500	TLJB227M006R0500	220	B	6.3	3.3	13.2	500	165	82						2000	
581-TLJW227M006R0200	TLJW227M006R0200	220	W	6.3	4.8	13.2	200	268	54						1000	
581-TLJR106M010R3000	TLJR106M010R3000	10	R	10	1.4	1	3000	54	162						2500	
581-TLJR156M010R2000	TLJR156M010R2000	15	R	10	2	1.5	2000	66	133						2500	
581-TLJN226M010R3800	TLJN226M010R3800	22	N	10	1.2	2.2	3800	46	174						3000	
581-TLJR226M010R3800	TLJR226M010R3800	22	R	10	1.2	2.2	3800	48	183						2500	
581-TLJK336M010R1500	TLJK336M010R1500	33	K	10	2.6	3.3	1500	83	125						3000	
581-TLJR336M010R3500	TLJR336M010R3500	33	R	10	1.3	3.3	3500	50	175						2500	
581-TLJP336M010R3500	TLJP336M010R3500	33	P	10	1.3	3.3	3500	57	170						2500	
581-TLJS336M010R1500	TLJS336M010R1500	33	S	10	2.6	3.3	1500	83	125						2500	
581-TLJA476M010R0600	TLJA476M010R0600	47	A	10	4.8	4.7	600	141	85						2000	
581-TLJG476M010R1500	TLJG476M010R1500	47	G	10	2.6	4.7	1500	86	130						2500	
581-TLJS476M010R1500	TLJS476M010R1500	47	S	10	2.6	4.7	1500	83	125						2500	
581-TLJT476M010R0600	TLJT476M010R0600	47	T	10	4.8	4.7	600	146	88						2500	
581-TLJA107M010R1400	TLJA107M010R1400	100	A	10	2.7	10	1400	93	130						2000	
581-TLJH107M010R0900	TLJH107M010R0900	100	H	10	3.7	10	900	119	107						2500	
581-TLJT107M010R0900	TLJT107M010R0900	100	T	10	3.7	10	900	119	107						2500	
581-TLJB157M010R0500	TLJB157M010R0500	150	B	10	5.3	15	500	165	82						2000	
581-TLJW157M010R0150	TLJW157M010R0150	150	W	10	8.3	15	150	310	45						1000	
581-TLJW157M010R0200	TLJW157M010R0200	150	W	10	7.7	15	200	268	54						1000	
581-TLJS106M016R2200	TLJS106M016R2200	10	S	16	3	1.6	2200	69	151						2500	
581-TLJT226M016R1000	TLJT226M016R1000	22	T	16	5.5	3.5	1000	113	113						2500	
581-TLJT106M020R1000	TLJT106M020R1000	10	T	20	6.9	2	1000	113	113						2500	