

AVX TPS Low ESR Tantalum Chip Capacitors



TPS SERIES III 125°C TANTALUM CHIP CAPACITORS



This product is RoHS compliant.

Features & Specifications:

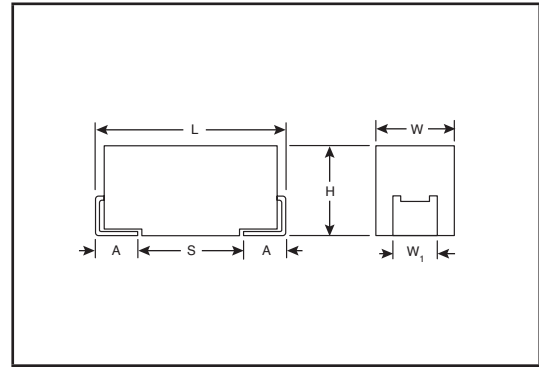
- Low ESR levels previously only seen by other technologies
- Traditional MnO₂ technologies guarantees excellent line and field performance, humidity stability and high electrical and thermal stress resistance

- Capacitance Range: 1.0µF to 1000µF
- Capacitance Tolerance: ±10%, ±20%
- Temperature Range: -55 °C to +125°C
- Voltage listed is at 85°C, Derate 33% @ 125°C



RoHS Compliant

DIMENSIONS: mm (in.)							
Code	EIA Code	L	W	H	W1	A	S Min.
A	3216	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	3.50 (0.138)	2.80 (0.110)	1.90 (0.075)	2.20 (0.087)	0.80 (0.031)	1.40 (0.055)
C	6032	6.00 (0.236)	3.20 (0.126)	2.60 (0.102)	2.20 (0.087)	1.30 (0.051)	2.90 (0.114)
D	7343	7.30 (0.287)	4.30 (0.169)	2.90 (0.114)	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)
E	7343H	7.30 (0.287)	4.30 (0.169)	4.10 (0.162)	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)
T	3528	3.50 (0.138)	2.80 (0.110)	1.20 (0.047) max.	2.20 (0.087)	0.80 (0.031)	1.40 (0.055)
V	7361	7.30 (0.287)	6.10 (0.240)	3.45 ± 0.30 (0.136 ± 0.012)	3.10 (0.120)	1.40 (0.055)	4.40 (0.173)
W	6032	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**	7343L	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)



** Low Profile Version

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Value (µF)	Tol. ± (%)	Case Code	ESR Max. (mΩ) @ 100 kHz	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100		
4 VDC									
581	TPSD227K004R0050	220	10	D	50	4.40	3.34	500	1.44
581	TPSD227K004R0100	220	10	D	100	4.20	3.19	500	1.52
581	TPSD337K004R0035	330	10	D	35	14.65	11.13	500	5.33
581	TPSD477K004R0045	470	10	D	45	9.00	6.84	500	3.27
581	TPSD687K004R0045	680	10	D	45	12.24	9.30	500	7.34
581	TPSD687K004R0100	680	10	D	100	12.95	9.84	500	4.71
6 VDC									
581	TPSS475K006R4000	4.7	10	S	4000	1.75	1.33	2500	.59
581	TPSA685K006R1800	6.8	10	A	1800	.75	.57	2000	.25
581	TPSA106K006R1500	10	10	A	1500	.85	.64	2000	.28
581	TPSR106K006R1000	10	10	R	1000	1.13	.85	2500	.38
581	TPST106K006R1000	10	10	T	1000	1.60	1.21	2500	.46
581	TPSA156K006R1500	15	10	A	1500	.75	.57	2000	.25
581	TPSA226K006R0500	22	10	A	500	.75	.57	2000	.25
581	TPSB226K006R0600	22	10	B	600	1.13	.85	2000	.41
581	TPSD337M006R0100	30	20	D	100	7.75	5.89	500	2.82
581	TPSA336K006R0600	33	10	A	600	.65	.49	2000	.221
581	TPSB336K006R0600	33	10	B	600	1.13	.42	2000	.38
581	TPSB476K006R0250	47	10	B	250	1.20	.82	2000	.35
581	TPSB476K006R0500	47	10	B	500	2.27	1.56	2000	.675
581	TPSW686M006R0110	68	20	W	110	4.15	3.15	1000	1.35
581	TPSB686K006R0250	68	10	B	250	1.13	.85	2000	.38
581	TPSW686K006R0125	68	10	W	125	1.50	1.14	1000	.98
581	TPSB686K006R0500	68	10	B	500	1.00	.76	2000	.34
581	TPSB107K006R0400	100	10	B	400	1.03	.631	2000	.36
581	TPSW107M006R0100	100	20	W	100	4.50	3.42	1000	1.83
581	TPSC107K006R0075	100	10	C	75	3.18	2.33	500	1.16
581	TPSB107K006R0250	100	10	B	250	1.13	.85	2000	.38
581	TPSV108M006R0040	100	20	V	40	6.95	6.51	400	4.91
581	TPSC157K006R0150	150	10	C	150	2.65	2.01	500	.96
581	TPSC157K006R0050	150	10	C	50	14.90	11.32	500	5.42
581	TPSD227K006R0100	220	10	D	100	1.13	.85	500	.67
581	TPSC227K006R0070	220	10	C	70	2.16	1.64	500	.78
581	TPSC227K006R0100	220	10	C	100	2.00	1.52	500	.86
581	TPSE337K006R0100	330	10	E	100	10.40	7.90	400	3.21
581	TPSE337M006R0150	330	20	E	150	9.50	7.22	400	3.11
581	TPSY337K006R0100	330	10	Y	100	6.25	4.75	1000	2.27
581	TPSD337K006R0045	330	10	D	45	8.93	7.20	500	3.56
581	TPSD337K006R0050	330	10	D	50	4.50	3.54	500	3.52
581	TPSC337M006R0080	330	20	C	80	2.70	2.05	500	.98
581	TPSD337K006R0100	330	10	D	100	11.40	8.66	500	3.73
581	TPSD337M006R0045	330	20	D	45	14.25	10.83	500	4.09
581	TPSE477K006R0050	470	10	E	50	13.23	10.05	400	4.33
581	TPSD477K006R0045	470	10	D	45	7.11	5.40	500	2.58
581	TPSD477K006R0100	470	10	D	100	7.30	5.54	500	2.39
581	TPSD477K006R0200	470	10	D	200	6.00	4.56	500	1.96
581	TPSE477K006R0045	470	10	E	45	13.35	10.14	400	4.37
581	TPSY477K006R0150	470	10	Y	150	6.25	4.75	1000	2.27
581	TPSE477K006R0100	470	10	E	100	11.40	8.66	400	3.73
581	TPSV477K006R0055	470	10	V	55	12.95	9.84	400	4.71
581	TPSV687K006R0050	680	10	V	50	14.25	10.83	400	4.09
581	TPSV687K006R0035	680	10	V	35	12.95	9.84	400	4.71
581	TPSE687K006R0100	680	10	E	100	9.37	8.03	400	7.75
10 VDC									
581	TPSA225K010R1800	2.2	10	A	1800	.75	.57	2000	.25
581	TPSA475K010R1400	4.7	10	A	1400	1.00	.76	2000	.34
581	TPSA685K010R1800	6.8	10	A	1800	.75	.57	2000	.25
581	TPSA106K010R1800	10	10	A	1800	.65	.49	2000	.221
581	TPST106K010R1000	10	10	T	1000	1.60	1.21	2500	.46
581	TPSA156K010R1000	15	10	A	1000	.60	.45	2000	.204
581	TPSB226K010R0400	22	10	B	400	1.00	.76	2000	.34
581	TPSB336K010R0425	33	10	B	425	1.13	.85	2000	.38
581	TPSB336M010R0650	33	20	B	650	1.20	.91	2000	.40
581	TPSC336K010R0150	33	10	C	150	.75	.66	500	.63
581	TPSB336K010R0500	33	10	B	500	1.13	.85	2000	.41
581	TPSB476K010R0500	47	10	B	500	1.00	.69	2000	.29
581	TPSW476K010R0125	47	10	W	125	4.00	3.04	1000	1.42

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MOUSER STOCK NO.		Value (µF)	Tol. ± (%)	Case Code	ESR Max. (mΩ) @ 100 kHz	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr. Part No.					1	100		
10 VDC (Cont.)									
581	TPSB476K010R0250	47	10	B	250	2.27	1.56	2000	.675
581	TPSD476K010R0100	47	10	D	100	3.75	2.77	500	2.20
581	TPSW476K010R0150	47	10	W	150	3.35	2.54	1000	1.36
581	TPSB476K010R0350	47	10	B	350	2.27	1.56	2000	.675
581	TPSD686K010R0100	68	10	D	100	14.90	11.32	500	5.42
581	TPSB686K010R0600	68	10	B	600	1.13	.85	2000	.38
581	TPSC686K010R0100	68	10	C	100	2.90	2.20	500	.95
581	TPSC686K010R0200	68	10	C	200	2.48	1.88	500	.90
581	TPSD686K010R0150	68	10	D	150	3.20	2.43	500	1.04
581	TPSC686K010R0300	68	10	C	300	2.60	1.97	500	.88
581	TPSC107K010R0100	100	10	C	100	1.70	1.23	500	.59
581	TPSC107M010R0075	100	20	C	75	5.00	3.66	500	1.83
581	TPSD107K010R0100	100	10	D	100	1.01	.74	500	.38
581	TPSD107K010R0080	100	10	D	80	1.23	.928	500	.481
581	TPSD107M010R0125	100	20	D	125	2.85	2.14	500	1.11
581	TPSC107K010R0150	100	10	C	150	4.54	3.33	500	1.66
581	TPSC107K010R0200	100	10	C	200	1.20	.82	500	.67
581	TPSY107K010R0150	100	10	Y	150	6.25	4.75	1000	2.27
581	TPSE107K010R0125	100	10	E	125	9.85	7.48	400	3.22
581	TPSY107K010R0100	100	10	Y	100	6.25	4.75	1000	2.27
581	TPSD157K010R0100	150	10	D	100	1.13	.85	500	.67
581	TPSD157K010R0085	150	10	D	85	5.75	4.37	500	1.88
581	TPSD227K010R0100	220	10	D	100	1.95	1.48	500	.71
581	TPSE227K010R0100	220	10	E	100	2.50	1.90	400	.91
581	TPSD227K010R0050	220	10	D	50	3.90	1.52	500	1.33
581	TPSD227K010R0150	220	10	D	150	1.50	.95	500	.87
581	TPSE227K010R0050	220	10	E	50	7.91	6.37	400	3.44
581	TPSD337K010R0100	330	10	D	100	3.90	1.52	500	1.33
581	TPSE337K010R0040	330	10	E	40	12.95	9.84	400	4.71
581	TPSV337K010R0060	330	10	V	60	15.25	11.59	400	4.71
581	TPSE337K010R0050	330	10	E	50	15.00	11.40	400	4.91
581	TPSD337K010R0050	330	10	D	50	12.11	9.19	500	4.40
581	TPSE337K010R0100	330	10	E	100	13.25	10.07	400	3.64
581	TPSV337K010R0100	330	10	V	100	13.75	10.45	400	4.50
581	TPSV337M010R0100	330	20	V	100	13.95	10.60	400	4.57
581	TPSE477K010R0045	470	10	E	45	3.83	3.23	400	1.39
581	TPSE477K010R0100	470	10	V	100	15.40	11.70	400	4.76
581	TPSE477K010R0100	470	10	E	100	14.90	11.32	400	5.42
581	TPSV477K010R0060	470	10	V	60	15.40	11.70	400	4.76
16 VDC									
581	TPSA225K016R1800	2.2	10	A	1800	.75	.57	2000	.25
581	TPSA225K016R3500	2.2							