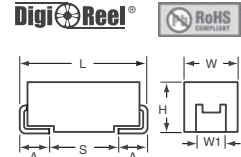


AVX THJ Series — High Temperature Tantalum Capacitors

They combine high temperature operation and higher basic reliability for optimal performance in high temperature automotive and industry applications. The operational temperature is up to 175°C with derating voltage. The level of reliability of this tantalum product is 0.5%/1000 hours of rated voltage, rated temperature and 0.1Ω/volt circuit impedance. The capacitors are produced in black encapsulation with white polarity marking. **Specifications:** Maximum Operating Temperature: up to 175°C with 50% derating

Case Size	EIA Metric	Dimensions - mm					
		L ±0.20	W ±0.20/-0.10	H ±0.20/-0.10	W1 ±0.20 (0.008)	A +0.30	S (Min)
A	3216-18	3.20	1.60	1.60	1.20	0.80	1.10
B	3528-21	3.50	2.80	1.90	2.20	0.80	1.40
C	6032-28	6.00	3.20	2.60	2.20	1.30	2.90
D	7343-31	7.30	4.30	2.90	2.40	1.30	4.40
E	7343-43	7.30	4.30	4.10	2.40	1.30	4.40

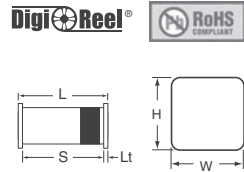


Rated Voltage (V)	Capacitance (µF)	Capacitance Tolerance (%)	Case Size	DF % Max.	DCL (µA) Max.	ESR Max. (Ω) @100kHz	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel		AVX Part No.
								1	10	100		Qty.	Pricing	
6.3	33	20	B	6	1.9	2.2	478-5703-1-ND	.64	.57	.49	478-5703-2-ND	2,000	219.08/M	THJB336M006RJN
			D	6	10	0.9	478-5708-1-ND	1.94	1.69	1.48	478-5708-2-ND	500	353.32	THJD107K010RJN
			E	10	22	0.25	478-5639-1-ND	64.44	56.06	48.98	478-5639-2-ND	400	9381.85	THJE227K010AJH
10	100	10	A	6	0.5	6.5	478-5702-1-ND	.41	.36	.32	478-5702-2-ND	2,000	140.44/M	THJA225K016RJN
			A	6	0.5	5.0	478-5697-1-ND	.41	.36	.32	478-5697-2-ND	2,000	140.44/M	THJA335K016RJN
			A	4.5	0.8	2.9	478-3851-1-ND	.48	.42	.37	478-3851-2-ND	2,000	161.92/M	THJA475K016RJN
			B	6	2.4	2.0	478-5698-1-ND	.66	.58	.50	478-5698-2-ND	2,000	223.05/M	THJB156K016RJN
			C	6	3.5	1.6	478-5706-1-ND	1.03	.90	.79	478-5706-2-ND	500	187.94	THJC226K016RJN
			D	6	7.5	0.9	478-3852-1-ND	1.65	1.44	1.26	478-3852-2-ND	500	300.70	THJD476K016RJN
			D	4.5	10.9	0.9	478-5714-1-ND	1.90	1.66	1.45	478-5714-2-ND	500	345.81	THJD686K016RJN
16	15	10	E	8	16	0.25	478-5640-1-ND	58.65	51.03	44.58	478-5640-2-ND	400	8539.89	THJE107K016AJH
			D	6	6.6	0.9	478-5712-1-ND	2.97	2.58	2.26	478-5712-2-ND	500	539.03	THJD336M020RJN
			C	6	2.5	1.8	478-5704-1-ND	1.19	1.04	.91	478-5704-2-ND	500	216.44	THJC106K025RJN
20	10	20	C	6	2.5	1.8	478-5705-1-ND	1.19	1.04	.91	478-5705-2-ND	500	216.44	THJC106M025RJN
			A	4	0.5	24	478-5701-1-ND	.95	.83	.73	478-5701-2-ND	2,000	323.01/M	THJA104K035RJN
			C	6	1.2	2.5	478-5699-1-ND	1.41	1.23	1.08	478-5699-2-ND	500	256.50	THJC335K035RJN
35	10	10	C	6	1.6	2.2	478-5707-1-ND	1.06	.92	.81	478-5707-2-ND	500	191.70	THJC475K035RJN
			D	6	3.5	1.0	478-3855-1-ND	1.66	1.45	1.27	478-3855-2-ND	500	302.35	THJD106K035RJN
			D	6	5.3	0.9	478-5709-1-ND	2.18	1.90	1.66	478-5709-2-ND	500	396.11	THJD156M035RJN
			D	6	7.7	0.6	478-5710-1-ND	2.68	2.34	2.05	478-5710-2-ND	500	488.64	THJD226K035RJN
			D	6	7.7	0.6	478-5711-1-ND	2.67	2.33	2.03	478-5711-2-ND	500	485.75	THJD226M035RJN
			D	6	7.7	0.3	478-4753-1-ND	10.20	8.88	7.76	478-4753-2-ND	500	1856.66	THJD226K035R0300
			E	6	11.6	0.5	478-5700-1-ND	7.02	6.11	5.34	478-5700-2-ND	400	1022.38	THJE336K035RJN
50	10	10	D	6	1.7	1.1	478-6165-1-ND	5.20	4.53	3.96	478-6165-2-ND	500	947.12	THJD335K050RJN
			D	6	2.4	0.9	478-5713-1-ND	5.16	4.50	3.93	478-5713-2-ND	500	939.69	THJD475K050RJN
			D	6	3.4	0.7	478-6166-1-ND	5.20	4.53	3.96	478-6166-2-ND	500	947.12	THJD685K050RJN
			D	6	5.0	0.7	478-6163-1-ND	5.20	4.53	3.96	478-6163-2-ND	500	947.12	THJD106K050RJN
			E	6	5.0	0.7	478-6164-1-ND	8.67	7.55	6.60	478-6164-2-ND	400	1262.94	THJE106K050RJN

TAC and TPC Series — Standard Microchip Surface Mount Tantalum Capacitors

TAC Series: The world's smallest surface mount tantalum capacitor, small enough to create space providing room for ideas to grow. TACmicrochip™ is a major breakthrough in miniaturization without reduction in performance. It offers the highest energy store in a small case down to 0402. Enhanced high frequency operation through unique ESR performance with temperature and voltage stability also offered. **TPC Series:** Offers lower ESR feature to TACmicrochip® solid tantalum capacitors. The low ESR TPC capacitors improve performance of power supplies in miniature case sizes such as 0603 and 0805.

Case Size	EIA Code	EIA Metric	Dimensions - mm			Minimum Termination	
			L	W	H	Spacing (S)	Length (Lt)
A	1206	3216-18	3.20	1.60	1.60	1.80	0.15
H	0805	2012-10	2.00	1.35	1.00	0.70	0.15
K	0402	1005-07	1.00	0.50	0.50	0.40	0.10
L	0603	1608-10	1.60	0.85	0.85	0.55	0.15
R	0805	2012-15	2.00	1.35	1.35	0.70	0.15
T	3528	3528-12	3.50	2.80	1.20	2.00	0.15
U	0805	2012-06	2.00	1.35	0.60	0.70	0.15
V	1206	3528-08	3.20	1.60	0.75	1.80	0.15



Rated Voltage (V)	Capacitance (µF)	Capacitance Tolerance (%)	Case Size	DF % Max.	DCL (µA) Max.	ESR Max. (Ω) @100kHz	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel		AVX Part No.
								1	10	100		Qty.	Pricing	
TAC Series														
3.0	4.7	20	K	12	0.5	15.0	478-3255-1-ND†	6.11	5.32	4.65	478-3255-2-ND	1,000	2225.51	TACK475M003QTA
			R	30	3.0	5.0	478-3256-1-ND†	3.51	3.06	2.67	478-3256-2-ND	500	638.99	TACR107M003XTA
			T	20	6.6	1.0	478-3257-1-ND†	4.03	3.51	3.07	478-3257-2-ND	500	733.16	TACT227M003XTA
4.0	10	20	L	10	0.5	7.5	478-2549-1-ND	2.68	2.34	2.05	478-2549-2-ND	500	488.64	TACL106M004XTA
			L	20	0.9	7.5	478-2550-1-ND†	2.68	2.34	2.05	478-2550-2-ND	500	488.64	TACL226M004XTA
			R	14	1.9	5.0	478-3113-1-ND	3.51	3.06	2.67	478-3113-2-ND	500	638.99	TACR476M004XTA
			A	20	4.0	1.0	478-2566-1-ND	4.54	3.96	3.46	478-2566-2-ND	500	826.93	TACA107M004XTA
			R	30	4.0	5.0	478-4755-1-ND	3.51	3.06	2.67	478-4755-2-ND	2,500	1193.72/M	TACR107M004RTA
6.3	1.5	20	L	6	0.5	7.5	478-2551-1-ND	2.68	2.34	2.05	478-2551-2-ND	500	488.64	TACL155M006XTA
			K	8	0.5	15.0	478-2547-1-ND†	6.11	5.32	4.65	478-2547-2-ND	1,000	2225.51	TACK225M006QTA
			L	6	0.5	7.5	478-2552-1-ND	2.68	2.34	2.05	478-2552-2-ND	500	488.64	TACL225M006XTA
			L	10	0.6	6.0	478-2553-1-ND	3.51	3.06	2.67	478-2553-2-ND	500	638.99	TACL106M006XTA
			R	8	0.6	5.0	478-4185-1-ND	3.51	3.06	2.67	478-4185-2-ND	500	638.99	TACR106K006XTA
			R	8	0.6	5.0	478-2561-1-ND	2.27	1.98	1.73	478-2561-2-ND	500	413.46	TACR106M006XTA
			R	8	0.6	5.0	478-5225-1-ND	3.51	3.06	2.67	478-5225-2-ND	2,500	1193.72/M	TACR106M006RTA
			L	20	0.9	7.5	478-3114-1-ND†	2.68	2.34	2.05	478-3114-2-ND	500	488.64	TACL156M006XTA
			H	10	1.4	5.0	478-3258-1-ND†	3.51	3.06	2.67	478-3258-2-ND	500	638.99	TACH226M006XTA
			R	10	1.4	5.0	478-4188-1-ND	3.51	3.06	2.67	478-4188-2-ND	500	638.99	TACR226K006XTA
33	22	10	R	10	1.4	5.0	478-2562-1-ND	3.51	3.06	2.67	478-2562-2-ND	500	638.99	TACR226M006XTA
			R	12	2.1	5.0	478-3115-1-ND	3.51	3.06	2.67	478-3115-2-ND	500	638.99	TACR336M006XTA
			R	20	3.0	5.0	478-3259-1-ND†	3.51	3.06	2.67	478-3259-2-ND	500	638.99	TACR476M006XTA

(Continued)

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

1764 (EU2011-EN) Free shipping on orders over €65! All prices in euro and include duties.