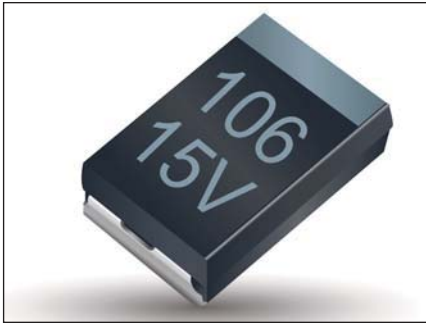


# T4Z – Medical Series



## HRC4000 Medical Grade for Non-Critical Applications



The T4Z HRC4000 Medical Grade series is designed for use in non-critical medical applications. The T4Z product line is based on the MIL-PRF- 55365 case sizes A-H. Statistical screening is used resulting in DC leakage levels significantly lower than commercial solid tantalum capacitors.

These components are manufactured and tested in AVX's high reliability tantalum capacitor plant in

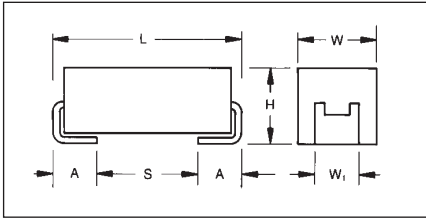
Biddeford, Maine which is ISO 13485 certified. Reliability grading to implantable device standards and surge current testing options per MIL-PRF-55365 are available along with several plating options including tin/lead solder, 100% tin, or gold terminations.

To request a specific rating or for more information on HRC4000 testing details please contact the factory.

### APPLICATIONS

#### Medical Devices for Non-Critical Applications

- Implantable, Non-Life Sustaining Devices
  - e.g. implanted temporary cardiac monitor, insulin pumps
- External, Life Sustaining Devices
  - e.g. heart pump external controller
- External Devices
  - e.g. patient monitoring, diagnostic equipment



### MARKING

(White marking on black body)



- Polarity Stripe (+)**
- Capacitance Code**
- Rated Voltage**

### CASE DIMENSIONS:

millimeters (inches)

Case Code	Length (L) ±0.38 (0.015)	Width (W) ±0.38 (0.015)	Height (H) ±0.38 (0.015)	Term. Width (W <sub>t</sub> )	Term. Length (A) +0.25/-0.13 (+0.010/-0.005)	S min	Typical Weight (g)
A	2.54 (0.100)	1.27 (0.050)	1.27 (0.050)	1.27±0.13 (0.050±0.005)	0.76 (0.030)	0.38 (0.015)	0.016
B	3.81 (0.150)	1.27 (0.050)	1.27 (0.050)	1.27±0.13 (0.050±0.005)	0.76 (0.030)	1.65 (0.065)	0.025
C	5.08 (0.200)	1.27 (0.050)	1.27 (0.050)	1.27±0.13 (0.050±0.005)	0.76 (0.030)	2.92 (0.115)	0.035
D	3.81 (0.150)	2.54 (0.100)	1.27 (0.050)	2.41+0.13/-0.25 (0.095+0.005/-0.010)	0.76 (0.030)	1.65 (0.065)	0.045
E	5.08 (0.200)	2.54 (0.100)	1.27 (0.050)	2.41+0.13/-0.25 (0.095+0.005/-0.010)	0.76 (0.030)	2.92 (0.115)	0.065
F	5.59 (0.220)	3.43 (0.135)	1.78 (0.070)	3.30±0.13 (0.130±0.005)	0.76 (0.030)	3.43 (0.135)	0.125
G	6.73 (0.265)	2.79 (0.110)	2.79 (0.110)	2.67±0.13 (0.105±0.005)	1.27 (0.050)	3.56 (0.140)	0.205
H	7.24 (0.285)	3.81 (0.150)	2.79 (0.110)	3.68+0.13/-0.51 (0.145+0.005/-0.020)	1.27 (0.050)	4.06 (0.160)	0.335

### CAPACITANCE AND RATED VOLTAGE, V<sub>R</sub> (VOLTAGE CODE) RANGE (LETTER DENOTES CASE SIZE)

Capacitance		Rated Voltage								
µF	Code	4V	6V	10V	12V	15V	20V	25V	35V	50V
0.10	104									A
0.15	154									A
0.22	224								A	
0.33	334							A	B	
0.47	474						A			
0.68	684					A				
1	105			A		A	A/B	B	D	E
1.5	155		A	A			B	D		
2.2	225	A	A	A/B		A/B/C	B/D	D/E		F
3.3	335		A/B	A/B		B/D	E	E	F	G
4.7	475	A/B	A	B/D		B/D/E	D/E	F		
6	605									
6.8	685	A	D	B/D/E			D/E	F		
10	106	D	B/D/E	B/D/E		D/E/F	E	G	H	
14	146			E						
15	156		B/D/F	D/E/F		E	F/G	G/H		
22	226		F	D/E/F	E	F/G	G/H	H		
33	336	E/F	E	F/G		F/H				
47	476	E	E/F/G	F/G/H		G	H			
68	686	E/G	E/F/G/H	G						
100	107	F	G	H		H				
150	157		G	H						
220	227			H						
300	307		H							
330	337		H							



# T4Z – Medical Series



## HRC4000 Medical Grade for Non-Critical Applications

### HOW TO ORDER

T4Z	E	106	*	10	C	□	L	@	4	^	++
<b>Type</b>	<b>Case Size</b>	<b>Capacitance Code</b>	<b>Capacitance Tolerance</b>	<b>Voltage Code</b>	<b>ESR</b>	<b>Packaging</b>	<b>Inspection Level</b>	<b>Reliability Grade</b>	<b>Qualification Level</b>	<b>Termination Finish</b>	<b>Surge Test Option</b>
		pF code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow)	K = ±10% M = ±20%	004 = 4Vdc 006 = 6Vdc 010 = 10Vdc 015 = 15Vdc 020 = 20Vdc 025 = 25Vdc 035 = 35Vdc 050 = 50Vdc	C = Std ESR	B = Bulk R = 7* T&R W = Waffle	L = Group A	B = Weibull B 0.1%/1000 hrs. 90% conf.	4 = HRC4000	H = Solder Plated 0 = Solder Fused 9 = Gold Plated 7 = 100% Tin	00 = None 23 = 10 Cycles, +25°C 24 = 10 Cycles, -55°C & +85°C 45 = 10 Cycles, -55°C & +85°C before burn-in

### TECHNICAL SPECIFICATIONS

Technical Data:	Unless otherwise specified, all technical data relate to an ambient temperature of 25°C									
Capacitance Range:	0.10 µF to 330 µF									
Capacitance Tolerance:	±10%; ±20%									
Rated Voltage (V <sub>R</sub> )	at ≤ 85°C:	4	6	10	15	20	25	35	50	
Category Voltage (V <sub>C</sub> )	at ≤ 125°C:	2.7	4	6.7	10	13.3	16.7	23.3	33.3	
Surge Voltage (V <sub>S</sub> )	at ≤ 85°C:	5.3	8	13.3	20	26.7	33.3	46.7	66.7	
applies to Weibull parts only	at ≤ 125°C:	3.5	5.3	8.7	13.3	17.8	22.2	31.1	44.5	
Temperature Range:	-55°C to +125°C									

# T4Z - Medical Series

## HRC4000 Medical Grade for Non-Critical Applications



RATING & PART NUMBER REFERENCE		Parametric Specifications by Rating											Typical RMS Ripple Data by Rating							
		Cap @ 120Hz	DC Rated Voltage @ +85°C	ESR @ 100kHz @ +25°C	DCL max				DF max			Power Dissipation	25°C		125°C		25°C		85°C	
					+25°C	+85°C	+125°C	+25°C	+85/125°C	-55°C	Ripple Current (100kHz)		Ripple Current (100kHz)	Ripple Voltage (100kHz)	Ripple Current (100kHz)	Ripple Current (100kHz)	Ripple Voltage (100kHz)	Ripple Current (100kHz)	Ripple Voltage (100kHz)	
AVX P/N	Case	µF @ 25°C	V @ +85°C	Ohms @ +25°C	µA	µA	µA	(%)	(%)	(%)	W	A	A	V	A	A	V	A	V	
T4ZA225*004C□□@4A++	A	2.2	4	8	0.100	1.000	1.200	6	8	8	0.05	0.079	0.071	0.632	0.569	0.263				
T4ZA475*004C□□@4A++	A	4.7	4	12	0.100	1.000	1.200	6	8	8	0.05	0.065	0.058	0.775	0.697	0.310				
T4ZB475*004C□□@4A++	B	4.7	4	8	0.100	1.000	1.200	6	8	8	0.05	0.094	0.084	0.632	0.569	0.263				
T4ZA685*004C□□@4A++	A	6.8	4	12	0.136	1.360	1.632	6	8	8	0.05	0.065	0.058	0.775	0.697	0.310				
T4ZD106*004C□□@4A++	D	10	4	4	0.200	2.000	2.400	8	10	10	0.08	0.141	0.127	0.566	0.509	0.226				
T4ZE336*004C□□@4A++	E	33	4	3	0.660	6.600	7.920	8	10	12	0.09	0.173	0.156	0.520	0.468	0.208				
T4ZF336*004C□□@4A++	F	33	4	2.2	0.660	0.600	7.920	8	10	12	0.1	0.213	0.192	0.469	0.422	0.188				
T4ZE476*004C□□@4A++	E	47	4	3	0.940	9.400	11.280	8	10	12	0.09	0.173	0.156	0.520	0.468	0.208				
T4ZE686*004C□□@4A++	E	68	4	3	1.360	13.600	16.320	8	10	12	0.09	0.173	0.156	0.520	0.468	0.208				
T4ZG686*004C□□@4A++	G	68	4	1.1	1.360	13.600	16.320	10	12	12	0.125	0.337	0.303	0.371	0.334	0.148				
T4ZF107*004C□□@4A++	F	100	4	2	2.000	20.000	24.000	10	12	12	0.1	0.224	0.201	0.447	0.402	0.179				
T4ZA155*006C□□@4A++	A	1.5	6	8	0.100	1.000	1.200	6	8	8	0.05	0.079	0.071	0.632	0.569	0.263				
T4ZA225*006C□□@4A++	A	2.2	6	12	0.100	1.000	1.200	6	8	8	0.05	0.065	0.058	0.775	0.697	0.310				
T4ZA335*006C□□@4A++	A	3.3	6	12	0.100	1.000	1.200	6	8	8	0.05	0.065	0.058	0.775	0.697	0.310				
T4ZB335*006C□□@4A++	B	3.3	6	8	0.100	1.000	1.200	6	8	8	0.07	0.094	0.084	0.632	0.569	0.263				
T4ZA475*006C□□@4A++	A	4.7	6	12	0.141	1.410	1.692	6	8	8	0.05	0.065	0.058	0.775	0.697	0.310				
T4ZD685*006C□□@4A++	D	6.8	6	4.5	0.204	2.040	2.448	6	8	8	0.08	0.133	0.120	0.561	0.505	0.224				
T4ZB106*006C□□@4A++	B	10	6	8	0.300	3.000	3.600	6	8	8	0.07	0.094	0.084	0.632	0.569	0.263				
T4ZD106*006C□□@4A++	D	10	6	6	0.300	3.000	3.600	6	8	8	0.08	0.115	0.104	0.466	0.422	0.188				
T4ZE106*006C□□@4A++	E	10	6	3.5	0.300	3.000	3.600	8	10	12	0.09	0.160	0.144	0.466	0.422	0.188				
T4ZB156*006C□□@4A++	B	15	6	8	0.450	4.500	5.400	8	10	10	0.07	0.094	0.084	0.632	0.569	0.263				
T4ZD156*006C□□@4A++	D	15	6	5	0.450	4.500	5.400	8	10	12	0.08	0.126	0.114	0.466	0.422	0.188				
T4ZF156*006C□□@4A++	F	15	6	0.3	0.450	4.500	5.400	6	8	8	0.1	0.577	0.520	0.231	0.173	0.069				
T4ZF226*006C□□@4A++	F	22	6	2.2	0.660	6.600	7.920	8	10	12	0.1	0.213	0.192	0.469	0.422	0.188				
T4ZE336*006C□□@4A++	E	33	6	3.5	0.990	9.900	11.880	6	8	8	0.09	0.160	0.144	0.466	0.422	0.188				
T4ZE476*006C□□@4A++	E	47	6	5	1.410	14.100	16.920	6	8	8	0.09	0.134	0.121	0.561	0.505	0.224				
T4ZE476*006C□□@4A++	E	47	6	3.5	1.410	14.100	16.920	8	10	12	0.1	0.169	0.152	0.469	0.422	0.188				
T4ZG476*006C□□@4A++	G	47	6	1.1	1.410	14.100	16.920	10	12	12	0.125	0.337	0.303	0.371	0.334	0.148				
T4ZE686*006C□□@4A++	E	68	6	2	2.040	20.400	24.480	10	12	12	0.09	0.212	0.191	0.469	0.422	0.188				
T4ZF686*006C□□@4A++	F	68	6	1.5	2.040	20.400	24.480	10	12	12	0.1	0.258	0.232	0.469	0.422	0.188				
T4ZG686*006C□□@4A++	G	68	6	1	2.040	20.400	24.480	10	12	12	0.125	0.354	0.318	0.469	0.422	0.188				
T4ZH686*006C□□@4A++	H	68	6	0.9	2.040	20.400	24.480	10	12	12	0.15	0.408	0.367	0.469	0.422	0.188				
T4ZG107*006C□□@4A++	G	100	6	1.1	3.000	30.000	36.000	10	12	12	0.125	0.337	0.303	0.371	0.334	0.148				
T4ZG157*006C□□@4A++	G	150	6	1.1	4.500	45.000	54.000	10	12	12	0.125	0.337	0.303	0.371	0.334	0.148				
T4ZH07*006C□□@4A++	H	300	6	0.9	9.000	90.000	108.000	15	18	18	0.15	0.408	0.367	0.469	0.422	0.188				
T4ZH37*006C□□@4A++	H	330	6	0.9	9.900	99.000	118.800	10	12	12	0.15	0.408	0.367	0.469	0.422	0.188				
T4ZA105*010C□□@4A++	A	1	10	10	0.100	1.000	1.200	6	8	8	0.05	0.071	0.064	0.263	0.237	0.107				
T4ZA155*010C□□@4A++	A	1.5	10	12	0.100	1.000	1.200	6	8	8	0.05	0.065	0.058	0.775	0.697	0.310				
T4ZA225*010C□□@4A++	A	2.2	10	12	0.110	1.100	1.320	6	8	8	0.05	0.065	0.058	0.775	0.697	0.310				
T4ZB225*010C□□@4A++	B	2.2	10	8	0.110	1.100	1.320	6	8	8	0.07	0.094	0.084	0.632	0.569	0.263				
T4ZA335*010C□□@4A++	A	3.3	10	12	0.165	1.650	1.980	6	8	8	0.05	0.065	0.058	0.775	0.697	0.310				
T4ZB335*010C□□@4A++	B	3.3	10	18	0.165	1.650	1.980	6	8	8	0.07	0.062	0.056	1.122	1.010	0.449				

All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5V RMS with a maximum DC bias of 2.2 volts. DCL is measured at rated voltage after 5 minutes.

**NOTE: AVX reserves the right to supply a higher voltage rating or tighter tolerance part in the same case size, to the same reliability standards.**



# T4Z - Medical Series

## HRC4000 Medical Grade for Non-Critical Applications



RATING & PART NUMBER REFERENCE		Parametric Specifications by Rating						Typical RMS Ripple Data by Rating								
		Cap @ 120Hz	DC Rated Voltage @ +85°C	ESR @ 100kHz @ +25°C	DCL max		DF max	Power Dissipation	25°C		85°C		125°C		125°C Ripple Voltage (100kHz)	
					+25°C	+85°C			+125°C	+25°C	+85°C	+125°C	+25°C	+85°C		+125°C
AVX P/N	Case	µF @ 25°C	V @ +85°C	Ohms @ +25°C	µA	µA	(%)	(%)	(%)	W	A (100kHz)	A (100kHz)	A (100kHz)	V	V	V
T4ZB475*010C□□@4Λ++	B	4.7	10	8	0.235	2.350	2.820	6	8	0.07	0.094	0.084	0.037	0.748	0.673	0.299
T4ZD475*010C□□@4Λ++	D	4.7	10	4.5	0.235	2.350	2.820	6	8	0.08	0.133	0.124	0.053	0.600	0.540	0.240
T4ZB685*010C□□@4Λ++	B	6.8	10	8	0.340	3.400	4.080	6	8	0.07	0.094	0.084	0.037	0.748	0.673	0.299
T4ZD685*010C□□@4Λ++	D	6.8	10	5	0.340	3.400	4.080	6	8	0.08	0.126	0.114	0.051	0.632	0.569	0.253
T4ZE685*010C□□@4Λ++	E	6.8	10	3.5	0.340	3.400	4.080	6	8	0.09	0.160	0.144	0.064	0.561	0.505	0.224
T4ZF685*010C□□@4Λ++	F	6.8	10	2.5	0.340	3.400	4.080	6	8	0.1	0.200	0.180	0.080	0.450	0.400	0.200
T4ZG685*010C□□@4Λ++	G	6.8	10	1.5	0.340	3.400	4.080	6	8	0.125	0.337	0.303	0.135	0.371	0.334	0.148
T4ZH685*010C□□@4Λ++	H	6.8	10	0.9	0.340	3.400	4.080	6	8	0.15	0.408	0.367	0.163	0.367	0.331	0.147
T4ZJ685*010C□□@4Λ++	J	6.8	10	0.5	0.340	3.400	4.080	6	8	0.15	0.408	0.367	0.163	0.367	0.331	0.147
T4ZK685*010C□□@4Λ++	K	6.8	10	0.3	0.340	3.400	4.080	6	8	0.15	0.408	0.367	0.163	0.367	0.331	0.147
T4ZL685*010C□□@4Λ++	L	6.8	10	0.2	0.340	3.400	4.080	6	8	0.15	0.408	0.367	0.163	0.367	0.331	0.147
T4ZM685*010C□□@4Λ++	M	6.8	10	0.1	0.340	3.400	4.080	6	8	0.15	0.408	0.367	0.163	0.367	0.331	0.147
T4ZN685*010C□□@4Λ++	N	6.8	10	0.08	0.340	3.400	4.080	6	8	0.15	0.408	0.367	0.163	0.367	0.331	0.147
T4ZO685*010C□□@4Λ++	O	6.8	10	0.05	0.340	3.400	4.080	6	8	0.15	0.408	0.367	0.163	0.367	0.331	0.147
T4ZP685*010C□□@4Λ++	P	6.8	10	0.02	0.340	3.400	4.080	6	8	0.15	0.408	0.367	0.163	0.367	0.331	0.147
T4ZQ685*010C□□@4Λ++	Q	6.8	10	0.01	0.340	3.400	4.080	6	8	0.15	0.408	0.367	0.163	0.367	0.331	0.147
T4ZR685*010C□□@4Λ++	R	6.8	10	0.005	0.340	3.400	4.080	6	8	0.15	0.408	0.367	0.163	0.367	0.331	0.147
T4ZS685*010C□□@4Λ++	S	6.8	10	0.002	0.340	3.400	4.080	6	8	0.15	0.408	0.367	0.163	0.367	0.331	0.147
T4ZT685*010C□□@4Λ++	T	6.8	10	0.001	0.340	3.400	4.080	6	8	0.15	0.408	0.367	0.163	0.367	0.331	0.147
T4ZU685*010C□□@4Λ++	U	6.8	10	0.0005	0.340	3.400	4.080	6	8	0.15	0.408	0.367	0.163	0.367	0.331	0.147
T4ZV685*010C□□@4Λ++	V	6.8	10	0.0002	0.340	3.400	4.080	6	8	0.15	0.408	0.367	0.163	0.367	0.331	0.147
T4ZW685*010C□□@4Λ++	W	6.8	10	0.0001	0.340	3.400	4.080	6	8	0.15	0.408	0.367	0.163	0.367	0.331	0.147
T4ZX685*010C□□@4Λ++	X	6.8	10	0.00005	0.340	3.400	4.080	6	8	0.15	0.408	0.367	0.163	0.367	0.331	0.147
T4ZY685*010C□□@4Λ++	Y	6.8	10	0.00002	0.340	3.400	4.080	6	8	0.15	0.408	0.367	0.163	0.367	0.331	0.147
T4ZZ685*010C□□@4Λ++	Z	6.8	10	0.00001	0.340	3.400	4.080	6	8	0.15	0.408	0.367	0.163	0.367	0.331	0.147

All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5V RMS with a maximum DC bias of 2.2 volts. DCL is measured at rated voltage after 5 minutes.

**NOTE: AVX reserves the right to supply a higher voltage rating or tighter tolerance part in the same case size, to the same reliability standards.**



# T4Z - Medical Series

## HRC4000 Medical Grade for Non-Critical Applications



RATING & PART NUMBER REFERENCE	Parametric Specifications by Rating						Typical RMS Ripple Data by Rating								
	Cap @ 120Hz @ 25°C (µF)	DC Rated Voltage @ +85°C (V)	ESR @ 100kHz @ +25°C (Ohms)	+25°C (µA)	+125°C (µA)	+25°C (%)	DF max + (65/125)°C (%)	-55°C (%)	Power Dissipation (W)	25°C Ripple Current (100kHz) (A)	85°C Ripple Current (100kHz) (A)	125°C Ripple Current (100kHz) (A)	25°C Ripple Voltage (100kHz) (V)	85°C Ripple Voltage (100kHz) (V)	125°C Ripple Voltage (100kHz) (V)
AVX P/N	Case														
T4ZH336*015C□□@4^+^	H	33	15	0.9	2.475	24,750	8	10	0.15	0.408	0.367	0.163	0.367	0.331	0.147
T4ZG476*015C□□@4^+^	G	47	15	1.1	3.525	35,250	8	10	0.125	0.337	0.303	0.135	0.371	0.334	0.148
T4ZH107*015C□□@4^+^	H	100	15	0.9	7.500	75,000	10	12	0.15	0.408	0.367	0.163	0.367	0.331	0.147
T4ZA474*020C□□@4^+^	A	0.47	20	14	0.100	1,000	1,200	8	10	0.05	0.054	0.024	0.837	0.753	0.335
T4ZA105*020C□□@4^+^	A	1	20	15	0.100	1,000	1,200	6	8	0.05	0.058	0.023	0.866	0.779	0.346
T4ZB105*020C□□@4^+^	B	1	20	12	0.100	1,000	1,200	6	8	0.07	0.076	0.031	0.917	0.825	0.367
T4ZB155*020C□□@4^+^	B	1.5	20	9	0.150	1,500	1,800	6	8	0.07	0.088	0.079	0.935	0.794	0.317
T4ZB225*020C□□@4^+^	B	2.2	20	5	0.220	2,200	2,640	6	8	0.07	0.088	0.079	0.935	0.794	0.317
T4ZD225*020C□□@4^+^	D	2.2	20	5	0.220	2,200	2,640	6	8	0.08	0.126	0.114	0.951	0.632	0.253
T4ZE335*020C□□@4^+^	E	3.3	20	4	0.330	3,300	3,960	6	8	0.09	0.150	0.135	0.960	0.600	0.240
T4ZD475*020C□□@4^+^	D	4.7	20	6	0.470	4,700	5,640	6	8	0.08	0.115	0.104	0.946	0.693	0.277
T4ZE475*020C□□@4^+^	E	4.7	20	6	0.470	4,700	5,640	6	8	0.09	0.122	0.110	0.949	0.735	0.294
T4ZD685*020C□□@4^+^	D	6.8	20	4	0.680	6,800	8,160	6	8	0.08	0.141	0.127	0.957	0.566	0.226
T4ZE685*020C□□@4^+^	E	6.8	20	5	0.680	6,800	8,160	6	8	0.09	0.134	0.121	0.954	0.671	0.268
T4ZE106*020C□□@4^+^	E	10	20	5	1.000	10,000	12,000	6	8	0.09	0.134	0.121	0.954	0.671	0.268
T4ZF156*020C□□@4^+^	F	15	20	3	1.500	15,000	18,000	6	8	0.1	0.183	0.164	0.973	0.548	0.219
T4ZG156*020C□□@4^+^	G	15	20	1.1	1.500	15,000	18,000	6	8	0.125	0.337	0.303	1.135	0.371	0.334
T4ZG226*020C□□@4^+^	G	22	20	2.5	2.200	22,000	26,400	6	8	0.125	0.224	0.201	0.989	0.559	0.503
T4ZH226*020C□□@4^+^	H	22	20	0.9	2.200	22,000	26,400	6	8	0.15	0.408	0.367	1.163	0.367	0.331
T4ZH476*020C□□@4^+^	H	47	20	0.9	4.700	47,000	56,400	8	10	0.15	0.408	0.367	1.163	0.367	0.331
T4ZA334*025C□□@4^+^	A	0.33	25	15	0.100	1,000	1,200	6	8	0.05	0.058	0.052	0.923	0.866	0.779
T4ZB105*025C□□@4^+^	B	1	25	10	0.125	1,250	1,500	6	8	0.07	0.084	0.075	0.933	0.837	0.753
T4ZD155*025C□□@4^+^	D	1.5	25	6.5	0.188	1,875	2,250	6	8	0.08	0.111	0.100	0.944	0.721	0.649
T4ZD225*025C□□@4^+^	D	2.2	25	6	0.275	2,750	3,300	6	8	0.08	0.115	0.104	0.946	0.693	0.624
T4ZE225*025C□□@4^+^	E	2.2	25	3.5	0.275	2,750	3,300	6	8	0.09	0.160	0.144	0.964	0.561	0.505
T4ZE335*025C□□@4^+^	E	3.3	25	4	0.413	4,125	4,950	6	8	0.09	0.150	0.135	0.960	0.600	0.540
T4ZF475*025C□□@4^+^	F	4.7	25	2.5	0.588	5,875	7,050	6	8	0.1	0.200	0.180	0.980	0.500	0.200
T4ZF685*025C□□@4^+^	F	6.8	25	3	0.850	8,500	10,200	6	8	0.1	0.183	0.164	0.973	0.548	0.219
T4ZG106*025C□□@4^+^	G	10	25	1.4	1.250	12,500	15,000	6	8	0.125	0.299	0.269	1.120	0.418	0.376
T4ZH226*025C□□@4^+^	H	22	25	0.9	2.750	27,500	33,000	6	8	0.15	0.408	0.367	1.163	0.367	0.331
T4ZA224*035C□□@4^+^	A	0.22	35	18	0.100	1,000	1,200	6	8	0.05	0.053	0.047	0.921	0.949	0.854
T4ZB474*035C□□@4^+^	B	0.47	35	10	0.100	1,000	1,200	6	8	0.07	0.084	0.075	0.933	0.837	0.753
T4ZD105*035C□□@4^+^	D	1	35	6.5	0.175	1,750	2,100	6	8	0.08	0.111	0.100	0.944	0.721	0.649
T4ZF335*035C□□@4^+^	F	3.3	35	2.5	0.578	5,775	6,930	6	8	0.1	0.200	0.180	0.980	0.500	0.200
T4ZH106*035C□□@4^+^	H	10	35	0.9	1.750	17,500	21,000	8	10	0.15	0.408	0.367	1.163	0.367	0.331
T4ZA104*050C□□@4^+^	A	0.1	50	22	0.100	1,000	1,200	6	8	0.05	0.048	0.043	0.919	1.049	0.944
T4ZA154*050C□□@4^+^	A	0.15	50	17	0.100	1,000	1,200	6	8	0.05	0.054	0.049	0.922	0.922	0.830
T4ZE105*050C□□@4^+^	E	1	50	6	0.250	2,500	3,000	6	8	0.09	0.122	0.110	0.949	0.735	0.661
T4ZF225*050C□□@4^+^	F	2.2	50	2.5	0.550	5,500	6,600	6	8	0.1	0.200	0.180	0.980	0.500	0.200
T4ZG335*050C□□@4^+^	G	3.3	50	2	0.825	8,250	9,900	6	8	0.125	0.260	0.225	1.000	0.500	0.200

All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5V RMS with a maximum DC bias of 2.2 volts. DCL is measured at rated voltage after 5 minutes.

NOTE: AVX reserves the right to supply a higher voltage rating or tighter tolerance part in the same case size, to the same reliability standards.

