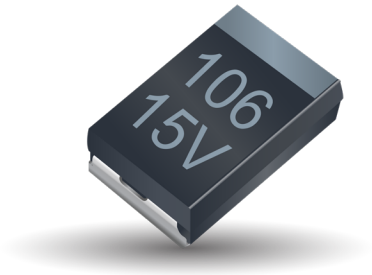
TAZ SERIES

T4Z HRC4000 Medical Grade for Non-Critical Applications



GENERAL DESCRIPTION

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

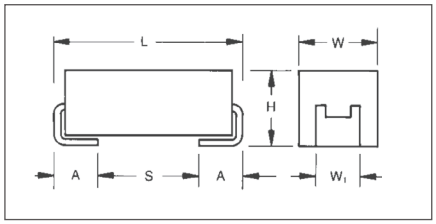
MARKING

(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_1)	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_R (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		
0.47	474						A		B	
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			
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							

HOW TO ORDER

T4Z	E	106	*	10	C	□	L	@	4	^	++
Type	**Case Size**	**Capacitance Code** pF code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow)	**Capacitance Tolerance** K = ±10% M = ±20%	**Voltage Code** 004 = 4Vdc 006 = 6Vdc 010 = 10Vdc 015 = 15Vdc 020 = 20Vdc 025 = 25Vdc 035 = 35Vdc 050 = 50Vdc	**ESR** C = Std ESR	**Packaging** B = Bulk R = 7" T&R W = Waffle	**Inspection Level** L = Group A	**Reliability Grade** B = Weibull B 0.1%/1000 hrs. 90% conf.	**Qualification Level** 4 = HRC4000	**Termination Finish** H = Solder Plated 0 = Solder Fused 9 = Gold Plated 7 =100% Tin	**Surge Test Option** 00 =None 23 =10 Cycles,+25ºC 24 =10 Cycles, -55ºC & +85ºC 45 =10 cycles, -55ºC & +85ºC 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_R)	at ≤ 85°C:	4	6	10	15	20	25	35	50
Category Voltage (V_C)	at ≤125°C:	2.7	4	6.7	10	13.3	16.7	23.3	33.3
Surge Voltage (V_S)	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								

TAZ SERIES

T4Z HRC4000 Medical Grade for Non-Critical Applications

RATING & PART NUMBER REFERENCE		Parametric Specifications by Rating										Typical RM	
		Cap @ 120Hz	DC Rated Voltage	ESR @ 100kHz	DCL max			DF Max			Power Dissipation	25°C Ripple Current	85°C Ripple Curre
					+25°C	+85°C	+125°C	+25°C	+(85/125)°C	-55°C			
AVX P/N	Case	µF @ 25°C	V @ +85°C	Ohms @ +25°C	(µA)	(µA)	(µA)	(%)	(%)	(%)	W	A (100kHz)	A (100kH
T4ZA225*004C□L@4^++	A	2.2	4	8	0.100	1.000	1.200	6	8	8	0.05	0.079	0.071
T4ZA475*004C□L@4^++	A	4.7	4	12	0.100	1.000	1.200	6	8	8	0.05	0.065	0.058
T4ZB475*004C□L@4^++	B	4.7	4	8	0.100	1.000	1.200	6	8	8	0.07	0.094	0.084
T4ZA685*004C□L@4^++	A	6.8	4	12	0.136	1.360	1.632	6	8	8	0.05	0.065	0.058
T4ZD106*004C□L@4^++	D	10	4	4	0.200	2.000	2.400	8	8	10	0.08	0.141	0.127
T4ZE336*004C□L@4^++	E	33	4	3	0.660	6.600	7.920	8	10	12	0.09	0.173	0.156
T4ZF336*004C□L@4^++	F	33	4	2.2	0.660	.600	7.920	8	10	12	0.1	0.213	0.192
T4ZE476*004C□L@4^++	E	47	4	3	0.940	9.400	11.280	8	10	12	0.09	0.173	0.156
T4ZE686*004C□L@4^++	E	68	4	3	1.360	13.600	16.320	8	10	12	0.09	0.173	0.156
T4ZG686*004C□L@4^++	G	68	4	1.1	1.360	13.600	16.320	10	12	12	0.125	0.337	0.303
T4ZF107*004C□L@4^++	F	100	4	2	2.000	20.000	24.000	10	12	12	0.1	0.224	0.201
T4ZA155*006C□L@4^++	A	1.5	6	8	0.100	1.000	1.200	6	8	8	0.05	0.079	0.071
T4ZA225*006C□L@4^++	A	2.2	6	12	0.100	1.000	1.200	6	8	8	0.05	0.065	0.058
T4ZA335*006C□L@4^++	A	3.3	6	12	0.100	1.000	1.200	6	8	8	0.05	0.065	0.058
T4ZB335*006C□L@4^++	B	3.3	6	8	0.100	1.000	1.200	6	8	8	0.07	0.094	0.084
T4ZA475*006C□L@4^++	A	4.7	6	12	0.141	1.410	1.692	6	8	8	0.05	0.065	0.058
T4ZD685*006C□L@4^++	D	6.8	6	4.5	0.204	2.040	2.448	6	8	8	0.08	0.133	0.120
T4ZB106*006C□L@4^++	B	10	6	8	0.300	3.000	3.600	6	8	8	0.07	0.094	0.084
T4ZD106*006C□L@4^++	D	10	6	6	0.300	3.000	3.600	6	8	8	0.08	0.115	0.104
T4ZE106*006C□L@4^++	E	10	6	3.5	0.300	3.000	3.600	8	10	12	0.09	0.160	0.144
T4ZB156*006C□L@4^++	B	15	6	8	0.450	4.500	5.400	8	10	10	0.07	0.094	0.084
T4ZD156*006C□L@4^++	D	15	6	5	0.450	4.500	5.400	8	10	12	0.08	0.126	0.114
T4ZF156*006C□L@4^++	F	15	6	0.3	0.450	4.500	5.400	6	8	8	0.1	0.577	0.520
T4ZF226*006C□L@4^++	F	22	6	2.2	0.660	6.600	7.920	8	10	12	0.1	0.213	0.192
T4ZE336*006C□L@4^++	E	33	6	3.5	0.990	9.900	11.880	6	8	8	0.09	0.160	0.144
T4ZE476*006C□L@4^++	E	47	6	5	1.410	14.100	16.920	6	8	8	0.09	0.134	0.121
T4ZF476*006C□L@4^++	F	47	6	3.5	1.410	14.100	16.920	8	10	12	0.1	0.169	0.152
T4ZG476*006C□L@4^++	G	47	6	1.1	1.410	14.100	16.920	10	12	12	0.125	0.337	0.303
T4ZE686*006C□L@4^++	E	68	6	2	2.040	20.400	24.480	10	12	12	0.09	0.212	0.191
T4ZF686*006C□L@4^++	F	68	6	1.5	2.040	20.400	24.480	10	12	12	0.1	0.258	0.232
T4ZG686*006C□L@4^++	G	68	6	1	2.040	20.400	24.480	10	12	12	0.125	0.354	0.318
T4ZH686*006C□L@4^++	H	68	6	0.9	2.040	20.400	24.480	10	12	12	0.15	0.408	0.367
T4ZG107*006C□L@4^++	G	100	6	1.1	3.000	30.000	36.000	10	12	12	0.125	0.337	0.303
T4ZG157*006C□L@4^++	G	150	6	1.1	4.500	45.000	54.000	10	12	12	0.125	0.337	0.303
T4ZH307*006C□L@4^++	H	300	6	0.9	9.000	90.000	108.000	15	18	18	0.15	0.408	0.367
T4ZH337*006C□L@4^++	H	330	6	0.9	9.900	99.000	118.800	10	12	12	0.15	0.408	0.367
T4ZA105*010C□L@4^++	A	1	10	10	0.100	1.000	1.200	6	8	8	0.05	0.071	0.064
T4ZA155*010C□L@4^++	A	1.5	10	12	0.100	1.000	1.200	6	8	8	0.05	0.065	0.058
T4ZA225*010C□L@4^++	A	2.2	10	12	0.110	1.100	1.320	6	8	8	0.05	0.065	0.058
T4ZB225*010C□L@4^++	B	2.2	10	8	0.110	1.100	1.320	6	8	8	0.07	0.094	0.084

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

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.

TAZ SERIES

T4Z HRC4000 Medical Grade for Non-Critical Applications

RATING & PART NUMBER REFERENCE		Parametric Specifications by Rating										Typical RM	
		Cap @ 120Hz	DC Rated Voltage	ESR @ 100kHz	DCL max			DF Max			Power Dissipation	25°C Ripple Current	85°C Ripple Curre
					+25°C	+85°C	+125°C	+25°C	+(85/125)°C	-55°C			
AVX P/N	Case	µF @ 25°C	V @ +85°C	Ohms @ +25°C	(µA)	(µA)	(µA)	(%)	(%)	(%)	W	A (100kHz)	A (100kH
T4ZA335*010C□L@4^++	A	3.3	10	12	0.165	1.650	1.980	6	8	8	0.05	0.065	0.058
T4ZB335*010C□L@4^++	B	3.3	10	18	0.165	1.650	1.980	6	8	8	0.07	0.062	0.056
T4ZB475*010C□L@4^++	B	4.7	10	8	0.235	2.350	2.820	6	8	8	0.07	0.094	0.084
T4ZD475*010C□L@4^++	D	4.7	10	4.5	0.235	2.350	2.820	6	8	8	0.08	0.133	0.120
T4ZB685*010C□L@4^++	B	6.8	10	8	0.340	3.400	4.080	6	8	8	0.07	0.094	0.084
T4ZD685*010C□L@4^++	D	6.8	10	5	0.340	3.400	4.080	6	8	8	0.08	0.126	0.114
T4ZE685*010C□L@4^++	E	6.8	10	3.5	0.340	3.400	4.080	6	8	8	0.09	0.160	0.144
T4ZB106*010C□L@4^++	B	10	10	8	0.500	5.000	6.000	8	10	10	0.07	0.094	0.084
T4ZD106*010C□L@4^++	D	10	10	4	0.500	5.000	6.000	6	8	8	0.08	0.141	0.127
T4ZE106*010C□L@4^++	E	10	10	3.5	0.500	5.000	6.000	6	8	8	0.09	0.160	0.144
T4ZE146*010C□L@4^++	E	14	10	3	0.700	7.000	8.400	6	8	8	0.09	0.173	0.156
T4ZD156*010C□L@4^++	D	15	10	5	0.750	7.500	9.000	6	8	8	0.08	0.126	0.114
T4ZE156*010C□L@4^++	E	15	10	3	0.750	7.500	9.000	8	10	10	0.09	0.173	0.156
T4ZF156*010C□L@4^++	F	15	10	2.5	0.750	7.500	9.000	8	8	10	0.1	0.200	0.180
T4ZD226*010C□L@4^++	D	22	10	8	1.100	11.000	13.200	6	8	8	0.08	0.100	0.090
T4ZE226*010C□L@4^++	E	22	10	2	1.100	11.000	13.200	8	10	10	0.09	0.212	0.191
T4ZF226*010C□L@4^++	F	22	10	3	1.100	11.000	13.200	8	10	10	0.1	0.183	0.164
T4ZF336*010C□L@4^++	F	33	10	1.5	1.650	16.500	18.800	8	10	10	0.1	0.258	0.232
T4ZG336*010C□L@4^++	G	33	10	1.1	1.650	16.500	19.800	10	12	12	0.125	0.337	0.303
T4ZF476*010C□L@4^++	F	47	10	1.5	2.350	23.500	28.200	10	12	12	0.1	0.258	0.232
T4ZG476*010C□L@4^++	G	47	10	1	2.350	23.500	28.200	10	12	12	0.125	0.354	0.318
T4ZH476*010C□L@4^++	H	47	10	0.9	2.350	23.500	28.200	10	12	12	0.15	0.408	0.367
T4ZG686*010C□L@4^++	G	68	10	1.1	3.400	34.000	40.800	10	12	12	0.125	0.337	0.303
T4ZH107*010C□L@4^++	H	100	10	0.9	5.000	50.000	60.000	10	12	12	0.15	0.408	0.367
T4ZH157*010C□L@4^++	H	150	10	0.9	7.500	75.000	90.000	10	12	12	0.15	0.408	0.367
T4ZH227*010C□L@4^++	H	220	10	0.9	11.000	110.000	132.000	10	12	12	0.15	0.408	0.367
T4ZE226*012C□L@4^++	E	22	12	0.5	1.320	13.200	15.840	6	8	8	0.09	0.424	0.382
T4ZA684*015C□L@4^++	A	0.68	15	12	0.100	1.000	1.200	6	8	8	0.05	0.065	0.058
T4ZA105*015C□L@4^++	A	1	15	15	0.100	1.000	1.200	6	8	8	0.05	0.058	0.052
T4ZA225*015C□L@4^++	A	2.2	15	15	0.165	1.650	1.980	6	8	8	0.05	0.058	0.052
T4ZB225*015C□L@4^++	B	2.2	15	5.5	0.165	1.650	1.980	6	8	8	0.07	0.113	0.102
T4ZC225*015C□L@4^++	C	2.2	15	5.5	0.165	1.650	1.980	6	8	8	0.075	0.117	0.105
T4ZB335*015C□L@4^++	B	3.3	15	9	0.248	2.475	2.970	6	8	8	0.07	0.088	0.079
T4ZD335*015C□L@4^++	D	3.3	15	5	0.248	2.475	2.970	6	8	8	0.08	0.126	0.114
T4ZB475*015C□L@4^++	B	4.7	15	5	0.353	3.525	4.230	6	8	8	0.07	0.118	0.106
T4ZD475*015C□L@4^++	D	4.7	15	6	0.353	3.525	4.230	6	8	8	0.08	0.115	0.104
T4ZE475*015C□L@4^++	E	4.7	15	4	0.353	3.525	4.230	6	8	8	0.09	0.150	0.135
T4ZD106*015C□L@4^++	D	10	15	6	0.750	7.500	9.000	6	8	8	0.08	0.115	0.104
T4ZE106*015C□L@4^++	E	10	15	4	0.750	7.500	9.000	6	8	8	0.09	0.150	0.135

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

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.

TAZ SERIES

T4Z HRC4000 Medical Grade for Non-Critical Applications

RATING & PART NUMBER REFERENCE		Parametric Specifications by Rating										Typical RM	
		Cap @ 120Hz	DC Rated Voltage	ESR @ 100kHz	DCL max			DF Max			Power Dissipation	25°C Ripple Current	85°C Ripple Curre
					+25°C	+85°C	+125°C	+25°C	+(85/125)°C	-55°C			
AVX P/N	Case	µF @ 25°C	V @ +85°C	Ohms @ +25°C	(µA)	(µA)	(µA)	(%)	(%)	(%)	W	A (100kHz)	A (100kH
T4ZF106*015C□L@4^++	F	10	15	2.5	0.750	7.500	9.000	6	8	8	0.1	0.200	0.180
T4ZE156*015C□L@4^++	E	15	15	4	1.125	11.250	13.500	6	8	8	0.09	0.150	0.135
T4ZF226*015C□L@4^++	F	22	15	3	1.650	16.500	19.800	8	10	10	0.1	0.183	0.164
T4ZG226*015C□L@4^++	G	22	15	1.1	1.650	16.500	19.800	6	8	8	0.125	0.337	0.303
T4ZF336*015C□L@4^++	F	33	15	3	2.475	24.750	29.700	6	8	8	0.1	0.183	0.164
T4ZH336*015C□L@4^++	H	33	15	0.9	2.475	24.750	29.700	8	8	10	0.15	0.408	0.367
T4ZG476*015C□L@4^++	G	47	15	1.1	3.525	35.250	42.300	8	10	10	0.125	0.337	0.303
T4ZH107*015C□L@4^++	H	100	15	0.9	7.500	75.000	90.000	10	12	12	0.15	0.408	0.367
T4ZA474*020C□L@4^++	A	0.47	20	14	0.100	1.000	1.200	8	8	10	0.05	0.060	0.054
T4ZA105*020C□L@4^++	A	1	20	15	0.100	1.000	1.200	6	8	8	0.05	0.058	0.052
T4ZB105*020C□L@4^++	B	1	20	12	0.100	1.000	1.200	6	8	8	0.07	0.076	0.069
T4ZB155*020C□L@4^++	B	1.5	20	9	0.150	1.500	1.800	6	8	8	0.07	0.088	0.079
T4ZB225*020C□L@4^++	B	2.2	20	9	0.220	2.200	2.640	6	8	8	0.07	0.088	0.079
T4ZD225*020C□L@4^++	D	2.2	20	5	0.220	2.200	2.640	6	8	8	0.08	0.126	0.114
T4ZE335*020C□L@4^++	E	3.3	20	4	0.330	3.300	3.960	6	8	8	0.09	0.150	0.135
T4ZD475*020C□L@4^++	D	4.7	20	6	0.470	4.700	5.640	6	8	8	0.08	0.115	0.104
T4ZE475*020C□L@4^++	E	4.7	20	6	0.470	4.700	5.640	6	8	8	0.09	0.122	0.110
T4ZD685*020C□L@4^++	D	6.8	20	4	0.680	6.800	8.160	6	8	8	0.08	0.141	0.127
T4ZE685*020C□L@4^++	E	6.8	20	5	0.680	6.800	8.160	6	8	8	0.09	0.134	0.121
T4ZE106*020C□L@4^++	E	10	20	5	1.000	10.000	12.000	6	8	8	0.09	0.134	0.121
T4ZF156*020C□L@4^++	F	15	20	3	1.500	15.000	18.000	6	8	8	0.1	0.183	0.164
T4ZG156*020C□L@4^++	G	15	20	1.1	1.500	15.000	18.000	6	8	8	0.125	0.337	0.303
T4ZG226*020C□L@4^++	G	22	20	2.5	2.200	22.000	26.400	6	8	8	0.125	0.224	0.201
T4ZH226*020C□L@4^++	H	22	20	0.9	2.200	22.000	26.400	6	8	8	0.15	0.408	0.367
T4ZH476*020C□L@4^++	H	47	20	0.9	4.700	47.000	56.400	8	10	10	0.15	0.408	0.367
T4ZA334*025C□L@4^++	A	0.33	25	15	0.100	1.000	1.200	6	8	8	0.05	0.058	0.052
T4ZB105*025C□L@4^++	B	1	25	10	0.125	1.250	1.500	6	8	8	0.07	0.084	0.075
T4ZD155*025C□L@4^++	D	1.5	25	6.5	0.188	1.875	2.250	6	8	8	0.08	0.111	0.100
T4ZD225*025C□L@4^++	D	2.2	25	6	0.275	2.750	3.300	6	8	8	0.08	0.115	0.104
T4ZE225*025C□L@4^++	E	2.2	25	3.5	0.275	2.750	3.300	6	8	8	0.09	0.160	0.144
T4ZE335*025C□L@4^++	E	3.3	25	4	0.413	4.125	4.950	6	8	8	0.09	0.150	0.135
T4ZF475*025C□L@4^++	F	4.7	25	2.5	0.588	5.875	7.050	6	8	8	0.1	0.200	0.180
T4ZF685*025C□L@4^++	F	6.8	25	3	0.850	8.5001	0.200	6	8	8	0.1	0.183	0.164
T4ZG106*025C□L@4^++	G	10	25	1.4	1.250	12.500	15.000	6	8	8	0.125	0.299	0.269
T4ZH226*025C□L@4^++	H	22	25	0.9	2.750	27.500	33.000	6	8	8	0.15	0.408	0.367
T4ZA224*035C□L@4^++	A	0.22	35	18	0.100	1.000	1.200	6	8	8	0.05	0.053	0.047
T4ZB474*035C□L@4^++	B	0.47	35	10	0.100	1.000	1.200	6	8	8	0.07	0.084	0.075
T4ZD105*035C□L@4^++	D	1	35	6.5	0.175	1.750	2.100	6	8	8	0.08	0.111	0.100
T4ZF335*035C□L@4^++	F	3.3	35	2.5	0.578	5.775	6.930	6	8	8	0.1	0.200	0.180

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

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.

TAZ SERIES

T4Z HRC4000 Medical Grade for Non-Critical Applications

RATING & PART NUMBER REFERENCE		Parametric Specifications by Rating										Typical RM	
		Cap @ 120Hz	DC Rated Voltage	ESR @ 100kHz	DCL max			DF Max			Power Dissipation	25°C Ripple Current	85°C Ripple Curre
					+25°C	+85°C	+125°C	+25°C	+(85/125)°C	-55°C			
AVX P/N	Case	µF @ 25°C	V @ +85°C	Ohms @ +25°C	(µA)	(µA)	(µA)	(%)	(%)	(%)	W	A (100kHz)	A (100kH
T4ZH106*035C□L@4^++	H	10	35	0.9	1.750	17.500	21.000	8	10	10	0.15	0.408	0.367
T4ZA104*050C□L@4^++	A	0.1	50	22	0.100	1.000	1.200	6	8	8	0.05	0.048	0.043
T4ZA154*050C□L@4^++	A	0.15	50	17	0.100	1.000	1.200	6	8	8	0.05	0.054	0.049
T4ZE105*050C□L@4^++	E	1	50	6	0.250	2.500	3.000	6	8	8	0.09	0.122	0.110
T4ZF225*050C□L@4^++	F	2.2	50	2.5	0.550	5.500	6.600	6	8	8	0.1	0.200	0.180
T4ZG335*050C□L@4^++	G	3.3	50	2	0.825	8.250	9.900	6	8	8	0.125	0.250	0.225

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

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.

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