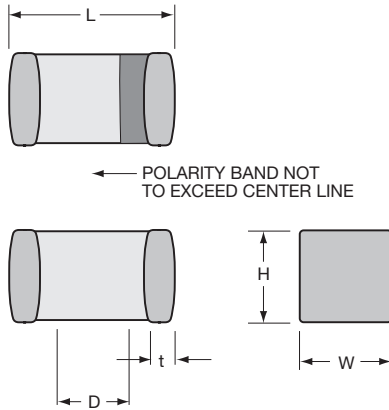


The world's smallest surface mount Tantalum capacitor, small enough to create space providing room for ideas to grow.

TACmicrochip is a major breakthrough in miniaturization without reduction in performance.

It offers you the highest energy store in an 0603 or 0805 case size; enhanced high frequency operation through unique ESR performance with temperature and voltage stability.



CASE DIMENSIONS: millimeters (inches)

Code	EIA Code	W +0.20 (0.008) -0.10 (0.004)	L +0.25 (0.010) -0.15 (0.006)	H +0.20 (0.008) -0.10 (0.004)	t (min.)	D (min.)
L	0603	0.85 (0.033)	1.6 (0.063)	0.85 (0.033)	0.15 (0.006)	0.70 (0.028)
R	0805	1.35 (0.053)	2.0 (0.079)	1.35 (0.053)	0.15 (0.006)	0.90 (0.035)

NOTE: Terminations are plated 100% Su.

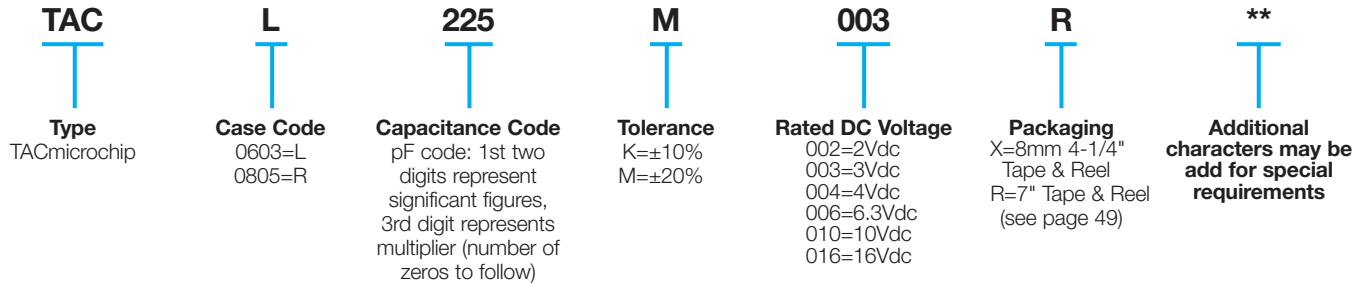
STANDARD CAPACITANCE RANGE (LETTER DENOTES CASE SIZE)

Capacitance μF	Rated voltage to 85°C					
	2.0V	3.0V	4.0V	6.3V	10V	16V
0.47					L	
0.68					L	
1.0				L	L	L
1.5			L	L	●	
2.2		L	L	●	●	
3.3	L	L	●	●	●/R	
4.7	L	●	●	●	L/R	
6.8	●	●		L/R	●	
10.0		●	L/R	R	●	
15.0		R	R		●	
22.0	●	●	●		R	
33.0	●	●	●			
47.0	●	●				
68.0						

● = Extended Range

L and R = In Development (outline type)

HOW TO ORDER



RATINGS AND PART NUMBER REFERENCE

0603 / CASE CODE L

AVX Style	Case Size	Capacitance µF@120Hz	Leakage µA (Max)	DF % Max	ESR Max @100kHz
2 v @ 85°C					
TACL335*002#	0603	3.3	0.5	6	10
TACL475*002#	0603	4.7	0.5	6	10
TACL685*002#	0603	6.8	0.5	6	10
3 v @ 85°C					
TACL225*003#	0603	2.2	0.5	6	10
TACL335*003#	0603	3.3	0.5	6	10
TACL475*003#	0603	4.7	0.5	6	10
TACL685*003#	0603	6.8	0.5	10	10
TACL106*003#	0603	10	0.5	10	10
4 v @ 85°C					
TACL155*004#	0603	1.5	0.5	6	10
TACL225*004#	0603	2.2	0.5	6	10
TACL335*004#	0603	3.3	0.5	6	10
TACL475*004#	0603	4.7	0.5	6	10
TACL685*004#	0603	6.8	0.5	6	10
6.3 v @ 85°C					
TACL105*006#	0603	1.0	0.5	6	10
TACL155*006#	0603	1.5	0.5	6	10
TACL225*006#	0603	2.2	0.5	6	10
TACL335*006#	0603	3.3	0.5	6	10
TACL475*006#	0603	4.7	0.5	6	10
10 v @ 85°C					
TACL474*010#	0603	0.47	0.5	6	12
TACL684*010#	0603	0.68	0.5	6	10
TACL105*010#	0603	1.0	0.5	6	10
TACL155*010#	0603	1.5	0.5	6	10
TACL225*010#	0603	2.2	0.5	6	10
TACL335*010#	0603	3.3	0.5	6	10
16 v @ 85°C					
TACL105*016#	0603	1.0	0.5	6	10

0805 / CASE CODE R

AVX Style	Case Size	Capacitance µF@120Hz	Leakage µA (Max)	DF % Max	ESR Max @100kHz
2 v @ 85°C					
TACR226*002#	0805	22	0.5	8	6
TACR336*002#	0805	33	0.7	8	6
TACR476*002#	0805	47	1.0	10	6
3 v @ 85°C					
TACR156*003#	0805	15	0.5	8	6
TACR226*003#	0805	22	0.7	8	6
TACR336*003#	0805	33	1.0	8	6
TACR476*003#	0805	47	1.5	10	6
4 v @ 85°C					
TACR106*004#	0805	10	0.5	8	6
TACR156*004#	0805	15	0.6	8	6
TACR226*004#	0805	22	0.9	8	6
TACR336*004#	0805	33	1.3	10	6
6.3 v @ 85°C					
TACR685*006#	0805	6.8	0.5	8	6
TACR106*006#	0805	10	0.6	8	6
TACR156*006#	0805	15	0.9	8	6
10 v @ 85°C					
TACR475*010#	0805	4.7	0.5	8	6
TACR685*010#	0805	6.8	0.7	8	6
TACR106*010#	0805	10	1.0	8	6
TACR156*010#	0805	15	1.5	8	6

For parametric information on development codes, please contact your local AVX sales office.

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.

* Insert K for ±10% and M for ±20%
Insert R for 7" reel and S for 13" reel

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.