

# Tantalum Capacitor Lineup

Package	U	M	PL	P	AS	AL	A	B	CL	C	D
Size Code Unit: mm (inch)	1005-06 (0402)	1608-09 (0603)	2012-10 (0805)	2012-12 (0805)	3216-10 (1206)	3216-12 (1206)	3216-18 (1206)	3528-21 (1411)	6032-15 (2412)	6032-27 (2412)	7343-30 (2917)

## Tantalum Capacitors

## Conductive Polymer Capacitors

### ■ New Bottom Electrode Type: TCS Series

$\mu\text{F}$ V	2.5	4	6.3	10	16	20
1.0					(U)	
1.5						
2.2						
3.3						
4.7						
6.8				(U)		
10			(U)		(M)	(P)
15		(U)				
22	(U)			(M)	(P)	
33						
47			(M)	(P)		
68						
100	(M)	(M)	(P)			
150						
220		(P)				
330	(P)					
470						

### ■ Bottom Electrode Type: TCT Series

$\mu\text{F}$ V	2.5	4	6.3	10	16	20	25	35
1.0			U	M	(U) M			(PL) AS (AL)
1.5							(PL) (AS)	
2.2			U	(U) M	M		P (AS) (PL) AL	
3.3							AL (AS)	AL
4.7		U M	M	(U) M	(P)	(PL) (AL)		
6.8			(U)		(P) (PL) (AS)	AL		
10		(U) M	M	M	P (PL) AL AS		(CL)	
15	(U)			P (PL) AL AS				
22		M	(M) P	P (PL) AL AS				
33		M P	P (PL) AL AS	P				
47	(M)	P	P AS PL (P) AL AS					
68		P (PL) AL AS	P					
100	P (PL) AL AS	P			(CL)			
150	(P)	AL (AS) (P) AL		CL				
220	AL (AS) (P) AL (AS) CL							
330	(AL) (CL)							
470	(CL)							

### ■ Bottom Electrode Type: TCT Series

$\mu\text{F}$ V	2.5	4	6.3	10
2.2				
3.3				M
4.7				(M)
6.8			M	P
10		M	(M)	P
15	M	(M)		(P)
22	(M)		P	AL[200]
33		P	(P)	(AL)
47	P	(P)	AL[200]	A
68	(P)	AL[200]	(AL)	(A)
100	AL[200]	(AL)	A	
150	(AL)	A	(A)	
220	A	(A)		
330	(A)			
470				

### ■ Integrated Fail-Safe Open Type: TCFG Series

$\mu\text{F}$ V	2.5	4	6.3	10	16	20	25	35
1.0				P	A P A P A			
1.5			P	A P A P A	A	A		
2.2		P	P	A P A P A	A	A		
3.3		P	A P A P A	P B A B A B	A B A B			
4.7		A P A P A P B A B A (B) A B						
6.8		A P A P A P B A B (B)						
10		A P A P A P B A B (B)						
15		A P B A P B A B B						
22		A P B A B A B B					(D)	
33		A B A B B B						
47		A B A B B C					D	
68		A B B (C) B					(D)	
100		B B C B D						
150		B C B (D) B						
220	B (C) B (D) B							
330	(B) (D) B							
470								

### ■ Standard Type: TC Series

$\mu\text{F}$ V	4	6.3	10	16	20	25
1.0			P	P A P A		
1.5			P	(P) A A A A		
2.2		P	P	(P) A A A A		
3.3		P	P A P A	(P) A A A A		
4.7	P	A P A P A	A A A A			
6.8	P	A P A P A	A A A A			
10	P	A P A P A	A A A A			
15	P	A P A A	A A A A			
22	P	A P A A	A A A A			
33	(P) A A A A					
47	A A A A					
68	A A A A					
100	A A A A					

### ■ Standard Type: TC Series

$\mu\text{F}$ V	2.5	4	6.3	10
2.2				
3.3				
4.7				
6.8				
10				
15				
22				
33			B[150]	B[150]
47			B[150]	B[150]
68			(B)	
100			B[150]	
150		B[150]	(B)	
220	B	(B)		
330	(B)			
470				

( ) Under Development [ ] ESR value