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SOLID TANTALUM ELECTROLYTIC CAPACITORS

nichicon

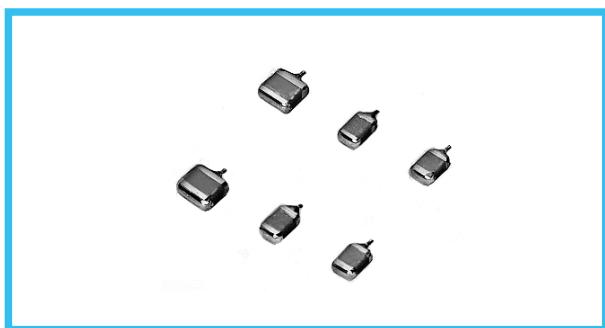
F95

Conformal coated
Chip **FRAMELESS™**



Upgrade

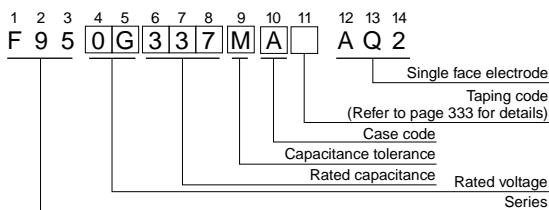
● Compliant to the RoHS directive (2002/95/EC).



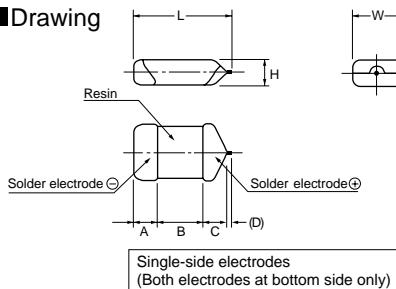
■ Applications

- Smartphone
- Wireless module
- Tablet PC
- e-book

■ Type numbering system (Example : 4V 330μF)



■ Drawing



■ Dimensions (mm)

Case code	L	W	H	A	B	C	(D)
R	2.2 ± 0.3	1.25 ± 0.3	0.65MAX.	0.6 ± 0.3	0.8 ± 0.3	0.5MIN	(0.2)
P	2.2 ± 0.3	1.25 ± 0.3	1.0 ± 0.2	0.6 ± 0.3	0.8 ± 0.3	0.8 ± 0.3	(0.2)
Q	3.2 ± 0.2	1.6 ± 0.2	0.8 ± 0.2	0.8 ± 0.2	1.2 ± 0.2	0.8 ± 0.2	(0.2)
S	3.2 ± 0.3	1.6 ± 0.3	1.0 ± 0.2	0.8 ± 0.3	1.2 ± 0.3	0.8 ± 0.3	(0.2)
A	3.2 ± 0.3	1.7 ± 0.3	1.4 ± 0.2	0.8 ± 0.3	1.2 ± 0.3	0.8 ± 0.3	(0.2)
T	3.5 ± 0.2	2.7 ± 0.2	1.0 ± 0.2	0.8 ± 0.2	1.2 ± 0.2	1.1 ± 0.2	(0.2)
B	3.5 ± 0.2	2.8 ± 0.2	1.8 ± 0.2	0.8 ± 0.3	1.2 ± 0.3	1.1 ± 0.3	(0.2)

D dimension only for reference

■ Standard Ratings

Cap. (μF)	Code	V	4	6.3	10	16	20	25	35
		0G	0J	1A	1C	1D	1E	1V	
1	105							R	P · S
1.5	155								
2.2	225						P	R · P	A
3.3	335								
4.7	475					R · P	S · A	P · Q · S · A	B
6.8	685							(Q) · (S)	
10	106				R · P	P · Q · S · A	S · A · B	A · (T) · B	
15	156				P	S · A			
22	226			R	P · Q · S · A	Q · S · A · T · B	B		
33	336		(R) · P	P · Q · S · A	(A) · T · B				
47	476	(R)	P	P · (Q) · S · A · T · B	B				
68	686		P	B					
100	107	P · S · A	P · Q · S · A · T · B	(S) · A · T · B					
150	157	P · B		B					
220	227	(P) · Q · S · A · T · B	(S) · (A) · (T) · B						
330	337	(P) · (S) · A · T · B		B					
470	477	(P) · (A) · (T) · B		(B)					
680	687	(T)							

() The series in parentheses are being developed.

Please contact to your local Nichicon sales office when these series are being designed in your application.

CAT.8100B

F95

■ Standard Ratings

Rated Volt	Rated Capacitance (μF)	Case code	Part Number	*2 Leakage Current (μA)	Dissipation Factor (%@100kHz)	ESR (Ω @100kHz)	*1 $\Delta\text{C/C}$ (%)	Rated Volt	Rated Capacitance (μF)	Case code	Part Number	*2 Leakage Current (μA)	Dissipation Factor (%@100kHz)	ESR (Ω @100kHz)	*1 $\Delta\text{C/C}$ (%)								
4V	100	P	F950G107MPAAQ2	4.0	30	1.2	± 15	16V	4.7	R	F951C475MRAAQ2	0.8	12	6.0	± 20								
	100	S	F950G107MSAAQ2	4.0	14	0.8	*		4.7	P	F951C475MPAAQ2	0.8	10	4.0	*								
	100	A	F950G107MAAAQ2	4.0	12	0.5	*		10	P	F951C106MPAAQ2	1.6	10	4.0	*								
	150	P	F950G157MPAAQ2	12.0	31	1.1	± 20		10	Q	F951C106MQAAQ2	1.6	8	3.0	*								
	150	B	F950G157MBAAQ2	6.0	14	0.4	*		10	S	F951C106MSAAQ2	1.6	8	2.0	*								
	220	Q	F950G227MQAAQ2	8.8	30	1.5	± 20		10	A	F951C106MAAAQ2	1.6	6	1.4	*								
	220	S	F950G227MSAAQ2	8.8	30	0.8	± 15		15	S	F951C156MSAAQ2	2.4	8	2.0	*								
	220	A	F950G227MAAAQ2	8.8	25	0.8	± 15		15	A	F951C156MAAAQ2	2.4	8	1.4	*								
	220	T	F950G227MTAAQ2	8.8	25	0.6	*		22	Q	F951C226MQAAQ2	3.5	12	3.0	*								
	220	B	F950G227MBAAQ2	8.8	16	0.4	*		22	S	F951C226MSAAQ2	3.5	10	2.0	± 15								
	330	A	F950G337MAAAQ2	13.2	40	0.8	± 20		22	A	F951C226MAAAQ2	3.5	8	1.4	*								
	330	T	F950G337MTAAQ2	13.2	40	0.8	± 20		22	T	F951C226MTAAQ2	3.5	8	1.4	*								
	330	B	F950G337MBAAQ2	13.2	30	0.6	± 15		22	B	F951C226MBAAQ2	3.5	6	0.5	*								
	470	B	F950G477MBAAQ2	18.8	40	0.4	± 20		33	T	F951C336MTAAQ2	5.3	11	1.5	± 10								
6.3V	22	R	F950J226MRAAQ2	1.4	20	2.0	± 20		33	B	F951C336MBAAQ2	5.3	8	0.5	*								
	33	P	F950J336MPAAQ2	2.1	14	1.1	*		47	B	F951C476MBAAQ2	7.5	10	0.6	*								
	47	P	F950J476MPAAQ2	3.0	20	1.1	± 15		20V	2.2	P	F951D225MPAAQ2	0.5	6	6.0	*							
	68	P	F950J686MPAAQ2	4.3	25	1.2	± 15		4.7	S	F951D475MSAAQ2	0.9	8	4.0	*								
	100	P	F950J107MPAAQ2	12.6	35	1.2	± 20		4.7	A	F951D475MAAAQ2	0.9	6	1.5	*								
	100	Q	F950J107MQAAQ2	6.3	30	1.1	± 20		10	S	F951D106MSAAQ2	2.0	10	4.0	± 10								
	100	S	F950J107MSAAQ2	6.3	20	0.9	± 15		10	A	F951D106MAAAQ2	2.0	8	1.5	*								
	100	A	F950J107MAAAQ2	6.3	14	0.5	*		10	B	F951D106MBAAQ2	2.0	6	0.8	*								
	100	T	F950J107MTAAQ2	6.3	14	0.6	*		22	B	F951D226MBAAQ2	4.4	8	0.8	*								
	100	B	F950J107MBAAQ2	6.3	14	0.4	*		25V	1	R	F951E105MRAAQ2	0.5	10	10.0	± 10							
	150	B	F950J157MBAAQ2	9.5	18	0.4	*		2.2	R	F951E225MRAAQ2	0.6	15	15.0	± 20								
	220	B	F950J227MBAAQ2	13.9	30	0.4	*		2.2	P	F951E225MPAAQ2	0.6	8	6.0	± 15								
	330	B	F950J337MBAAQ2	20.8	35	0.6	± 20		4.7	P	F951E475MPAAQ2	1.2	10	8.0	± 15								
	22	R	F951A106MRAAQ2	1.0	18	3.0	± 20		4.7	Q	F951E475MQAAQ2	1.2	10	4.0	± 15								
	10	P	F951A106MPAAQ2	1.0	8	3.0	*		4.7	S	F951E475MSAAQ2	1.2	8	4.0	*								
	15	P	F951A156MPAAQ2	1.5	10	3.0	*		4.7	A	F951E475MAAAQ2	1.2	8	2.0	*								
	22	P	F951A226MPAAQ2	2.2	14	3.0	*		10	A	F951E106MAAAQ2	2.5	12	2.0	± 15								
	22	Q	F951A226MQAAQ2	2.2	10	2.0	*		10	B	F951E106MBAAQ2	2.5	6	0.9	*								
10V	22	S	F951A226MSAAQ2	2.2	10	1.1	*		35V	1	P	F951V105MPAAQ2	0.5	8	10.0	± 10							
	22	A	F951A226MAAAQ2	2.2	6	0.9	*		1	S	F951V105MSAAQ2	0.5	6	8.0	*								
	33	P	F951A336MPAAQ2	3.3	20	3.0	± 15		2.2	A	F951V225MAAAQ2	0.8	6	4.4	*								
	33	Q	F951A336MQAAQ2	3.3	18	3.0	± 15		4.7	B	F951V475MBAAQ2	1.7	6	1.6	*								
	33	S	F951A336MSAAQ2	3.3	10	1.1	*		*1 : $\Delta\text{C/C}$ Marked **														
	33	A	F951A336MAAAQ2	3.3	10	0.8	*		I t e m														
	47	P	F951A476MPAAQ2	4.7	30	3.0	± 20		P · Q · S · A · T · B Case (%)														
	47	S	F951A476MSAAQ2	4.7	14	1.1	± 15		Damp Heat														
	47	A	F951A476MAAAQ2	4.7	10	0.8	*		Tempereature cycles														
	47	T	F951A476MTAAQ2	4.7	12	0.8	*		Resistance soldering heat														
	47	B	F951A476MBAAQ2	4.7	8	0.4	*		Surge														
	68	B	F951A686MBAAQ2	6.8	12	0.4	*		Endurance														
	100	A	F951A107MAAAQ2	10.0	35	1.0	± 15	*2 : Leakage Current After 1 minute's application of rated voltage, leakage current at 20°C.															
	100	T	F951A107MTAAQ2	10.0	20	0.6	± 15																
	100	B	F951A107MBAAQ2	10.0	14	0.4	*																