



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SOLID TANTALUM ELECTROLYTIC CAPACITORS

nichicon

F95

Conformal coated
Chip

FRAMELESS™



Upgrade

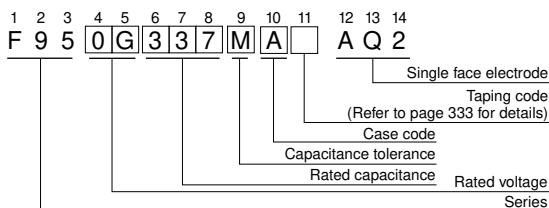
● Compliant to the RoHS directive (2002/95/EC).



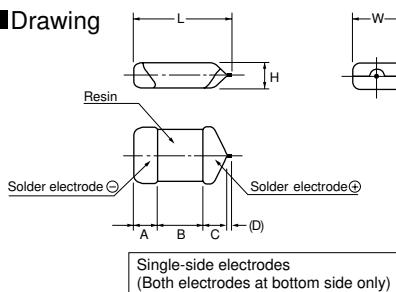
■ Applications

- 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 $\Delta\text{C/C}$ (%)
4V	100	P	F950G107MPAAQ2	4.0	30	1.2	± 15
	100	S	F950G107MSAAQ2	4.0	14	0.8	*
	100	A	F950G107MAAAQ2	4.0	12	0.5	*
	150	P	F950G157MPAAQ2	12.0	31	1.1	± 20
	150	B	F950G157MBAAQ2	6.0	14	0.4	*
	220	Q	F950G227MQAAQ2	8.8	30	1.5	± 20
	220	S	F950G227MSAAQ2	8.8	30	0.8	± 15
	220	A	F950G227MAAAQ2	8.8	25	0.8	± 15
	220	T	F950G227MTAAQ2	8.8	25	0.6	*
	220	B	F950G227MBAAQ2	8.8	16	0.4	*
	330	A	F950G337MAAAQ2	13.2	40	0.8	± 20
	330	T	F950G337MTAAQ2	13.2	40	0.8	± 20
	330	B	F950G337MBAAQ2	13.2	30	0.6	± 15
	470	B	F950G477MBAAQ2	18.8	40	0.4	± 20
6.3V	22	R	F950J226MRAAQ2	1.4	20	2.0	± 20
	33	P	F950J336MPAAQ2	2.1	14	1.1	*
	47	P	F950J476MPAAQ2	3.0	20	1.1	± 15
	68	P	F950J686MPAAQ2	4.3	25	1.2	± 15
	100	P	F950J107MPAAQ2	12.6	35	1.2	± 20
	100	Q	F950J107MQAAQ2	6.3	30	1.1	± 20
	100	S	F950J107MSAAQ2	6.3	20	0.9	± 15
	100	A	F950J107MAAAQ2	6.3	14	0.5	*
	100	T	F950J107MTAAQ2	6.3	14	0.6	*
	100	B	F950J107MBAAQ2	6.3	14	0.4	*
	150	B	F950J157MBAAQ2	9.5	18	0.4	*
	220	B	F950J227MBAAQ2	13.9	30	0.4	*
	330	B	F950J337MBAAQ2	20.8	35	0.6	± 20
10V	10	R	F951A106MRAAQ2	1.0	18	3.0	± 20
	10	P	F951A106MPAAQ2	1.0	8	3.0	*
	15	P	F951A156MPAAQ2	1.5	10	3.0	*
	22	P	F951A226MPAAQ2	2.2	14	3.0	*
	22	Q	F951A226MQAAQ2	2.2	10	2.0	*
	22	S	F951A226MSAAQ2	2.2	10	1.1	*
	22	A	F951A226MAAAQ2	2.2	6	0.9	*
	33	P	F951A336MPAAQ2	3.3	20	3.0	± 15
	33	Q	F951A336MQAAQ2	3.3	18	3.0	± 15
	33	S	F951A336MSAAQ2	3.3	10	1.1	*
	33	A	F951A336MAAAQ2	3.3	10	0.8	*
	47	P	F951A476MPAAQ2	4.7	30	3.0	± 20
	47	S	F951A476MSAAQ2	4.7	14	1.1	± 15
	47	A	F951A476MAAAQ2	4.7	10	0.8	*
16V	47	T	F951A476MTAAQ2	4.7	12	0.8	*
	47	B	F951A476MBAAQ2	4.7	8	0.4	*
	68	B	F951A686MBAAQ2	6.8	12	0.4	*
	100	A	F951A107MAAAQ2	10.0	35	1.0	± 15
	100	T	F951A107MTAAQ2	10.0	20	0.6	± 15
	100	B	F951A107MBAAQ2	10.0	14	0.4	*

Rated Volt	Rated Capacitance (μF)	Case code	Part Number	*2 Leakage Current (μA)	Dissipation Factor (%@100kHz)	ESR (Ω @100kHz)	*1 $\Delta\text{C/C}$ (%)
16V	4.7	R	F951C475MRAAQ2	0.8	12	6.0	± 20
	4.7	P	F951C475MPAAQ2	0.8	10	4.0	*
	10	P	F951C106MPAAQ2	1.6	10	4.0	*
	10	Q	F951C106MQAAQ2	1.6	8	3.0	*
	10	S	F951C106MSAAQ2	1.6	6	1.4	*
	15	S	F951C156MSAAQ2	2.4	8	2.0	*
	15	A	F951C156MAAAQ2	2.4	8	1.4	*
	22	Q	F951C226MQAAQ2	3.5	12	3.0	*
	22	S	F951C226MSAAQ2	3.5	10	2.0	± 15
	22	A	F951C226MAAAQ2	3.5	8	1.4	*
	22	T	F951C226MTAAQ2	3.5	8	1.4	*
	22	B	F951C226MBAAQ2	3.5	6	0.5	*
	33	T	F951C336MTAAQ2	5.3	11	1.5	± 10
	33	B	F951C336MBAAQ2	5.3	8	0.5	*
20V	47	B	F951C476MBAAQ2	7.5	10	0.6	*
	2.2	P	F951D225MPAAQ2	0.5	6	6.0	*
	4.7	S	F951D475MSAAQ2	0.9	8	4.0	*
	4.7	A	F951D475MAAAQ2	0.9	6	1.5	*
	10	S	F951D106MSAAQ2	2.0	10	4.0	± 10
	10	A	F951D106MAAAQ2	2.0	8	1.5	*
25V	10	B	F951D106MBAAQ2	2.0	6	0.8	*
	1	R	F951E105MRAAQ2	0.5	10	10.0	± 10
	2.2	R	F951E225MRAAQ2	0.6	15	15.0	± 20
	2.2	P	F951E225MPAAQ2	0.6	8	6.0	± 15
	4.7	P	F951E475MPAAQ2	1.2	10	8.0	± 15
	4.7	Q	F951E475MQAAQ2	1.2	10	4.0	± 15
35V	4.7	S	F951E475MSAAQ2	1.2	8	4.0	*
	4.7	A	F951E475MAAAQ2	1.2	8	2.0	*
	10	A	F951E106MAAAQ2	2.5	12	2.0	± 15
	10	B	F951E106MBAAQ2	2.5	6	0.9	*

* In case of capacitance tolerance $\pm 10\%$ type, [] will be put at 9th digit of type numbering system.

1 : $\Delta\text{C/C}$ Marked "/"

Item	P · Q · S · A · T · B Case (%)
Damp Heat	± 10
Temperature cycles	± 5
Resistance soldering heat	± 5
Surge	± 5
Endurance	± 10

*2 : Leakage Current After 1 minute's application of rated voltage, leakage current at 20°C.