

Standard Conformal Coated Chip

FRAMELESS™



For SMD



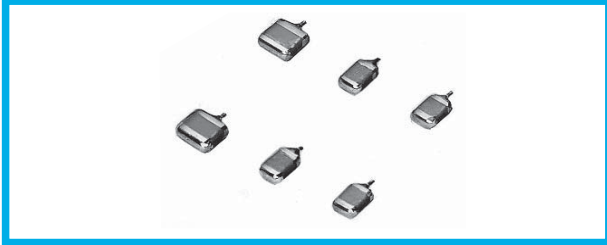
Smaller



For High Frequency

Upgrade

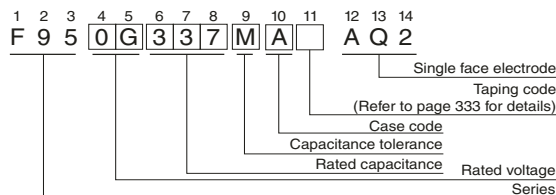
- Compliant to the RoHS directive (2002/95/EC).



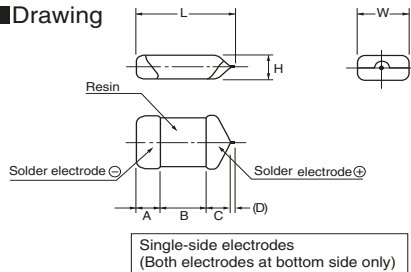
Applications

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

Type numbering system (Example : 4V 330μF)



Drawing



Dimensions

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)	V	4	6.3	10	16	20	25	35
Code	0G	0J	1A	1C	1D	1E	1V	P · S
1	105							
1.5	155							
2.2	225							
3.3	335							
4.7	475							
6.8	685							
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 AVX sales office when these series are being designed in your application.

Standard Conformal Coated Chip

■ Standard Ratings

Rated Volt	Rated Capacitance (μF)	Case code	Part Number	*2 Leakage Current (μA)	Dissipation Factor (% @ 120Hz)	ESR (Ω @ 100kHz)	*1 ΔC/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	*
	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 (% @ 120Hz)	ESR (Ω @ 100kHz)	*1 ΔC/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	8	2.0	*
	10	A	F951C106MAAAQ2	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
20V	33	B	F951C336MBAAQ2	5.3	8	0.5	*
	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	*
	10	B	F951D106MBAAQ2	2.0	6	0.8	*
	22	B	F951D226MBAAQ2	4.4	8	0.8	*
25V	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
	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	*
35V	1	P	F951V105MPAAQ2	0.5	8	10.0	±10
	1	S	F951V105MSAAQ2	0.5	6	8.0	*
	2.2	A	F951V225MAAAQ2	0.8	6	4.4	*
	4.7	B	F951V475MBAAQ2	1.7	6	1.6	*

※ In case of capacitance tolerance ±10% type, [K] will be put at 9th digit of type numbering system.

1 : ΔC/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.