

# F95

■ 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	15	P	F950G156MPAAQ2	0.6	10	1.8	*
	22	P	F950G226MPAAQ2	0.9	14	1.1	*
	33	P	F950G336MPAAQ2	1.3	14	1.1	*
	47	P	F950G476MPAAQ2	1.9	14	1.1	*
	47	Q	F950G476MQAAQ2	1.9	10	1.1	*
	47	S	F950G476MSAAQ2	1.9	10	0.8	*
	47	A	F950G476MAAAQ2	1.9	8	0.6	*
	68	S	F950G686MSAAQ2	2.7	10	0.8	*
	68	A	F950G686MAAAQ2	2.7	10	0.5	*
	100	P	F950G107MPAAQ2	4.0	30	1.2	±15
	100	Q	F950G107MQAAQ2	4.0	25	1.0	±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	10	P	F950J106MPAAQ2	0.6	8	2.0	*
	15	P	F950J156MPAAQ2	0.9	10	1.8	*
	22	R	F950J226MRAAQ2	1.4	20	2.0	±20
	22	P	F950J226MPAAQ2	1.4	14	1.1	*
	33	P	F950J336MPAAQ2	2.1	14	1.1	*
	33	Q	F950J336MQAAQ2	2.1	10	2.0	*
	33	S	F950J336MSAAQ2	2.1	10	1.0	*
	33	A	F950J336MAAAQ2	2.1	8	0.8	*
	47	P	F950J476MPAAQ2	3.0	20	1.1	±15
	47	Q	F950J476MQAAQ2	3.0	10	1.1	*
	47	S	F950J476MSAAQ2	3.0	10	0.9	*
	47	A	F950J476MAAAQ2	3.0	10	0.6	*
	68	P	F950J686MPAAQ2	4.3	25	1.2	±15
	68	S	F950J686MSAAQ2	4.3	14	0.9	*
	68	A	F950J686MAAAQ2	4.3	12	0.5	*
	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	3.3	P	F951A335MPAAQ2	0.5	8	5.0	*
	4.7	P	F951A475MPAAQ2	0.5	8	4.0	*
	6.8	P	F951A685MPAAQ2	0.7	8	4.0	*
	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	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	*

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10V	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	*
16V	1	P	F951C105MPAAQ2	0.5	8	8.0	*
	1.5	P	F951C155MPAAQ2	0.5	8	8.0	*
	2.2	P	F951C225MPAAQ2	0.5	8	6.0	*
	3.3	P	F951C335MPAAQ2	0.5	8	6.0	*
	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	
33	B	F951C336MBAAQ2	5.3	8	0.5	*	
47	B	F951C476MBAAQ2	7.5	10	0.6	*	
20V	2.2	P	F951D225MPAAQ2	0.5	6	6.0	*
	2.2	S	F951D225MSAAQ2	0.5	6	5.0	*
	3.3	A	F951D335MAAAQ2	0.7	6	2.0	*
	4.7	S	F951D475MSAAQ2	0.9	8	4.0	*
	4.7	A	F951D475MAAAQ2	0.9	6	1.5	*
	6.8	Q	F951D685MQAAQ2	1.4	10	4.0	*
	6.8	A	F951D685MAAAQ2	1.4	8	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
	1	P	F951E105MPAAQ2	0.5	6	8.0	*
	1	S	F951E105MSAAQ2	0.5	6	8.0	*
	1.5	S	F951E155MSAAQ2	0.5	6	7.0	*
	2.2	R	F951E225MRAAQ2	0.6	15	15.0	±20
	2.2	P	F951E225MPAAQ2	0.6	8	6.0	±15
	2.2	S	F951E225MSAAQ2	0.6	6	7.0	*
	2.2	A	F951E225MAAAQ2	0.6	6	3.2	*
	3.3	A	F951E335MAAAQ2	0.8	6	2.8	*
	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	*
	1	A	F951V105MAAAQ2	0.5	4	4.4	*
	1.5	A	F951V155MAAAQ2	0.5	6	4.4	*
	2.2	A	F951V225MAAAQ2	0.8	6	4.4	*
	3.3	B	F951V335MBAAQ2	1.2	6	1.6	*
	4.7	B	F951V475MBAAQ2	1.7	6	1.6	*

\* In case of capacitance tolerance ±10% type,  $\square$  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.

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