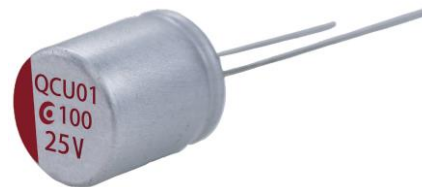
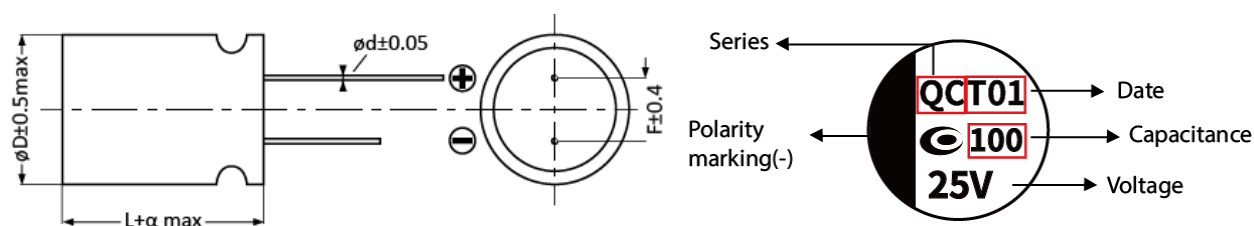


ARQC Series **AEC-Q200**

- Standard DIP type
- Rated Voltage:16~80V
- Endurance 4000hr at 125°C
- High reliability and high voltage are realized by hybrid electrolyte
- For high temperature and high reliability applications
- RoHS Compliant
- AEC-Q200 compliant

**Specification**

Category Temperature Range	-55~+125°C	Rated Voltage Range	16 to 80Vdc						
Rated Capacitance Range	22 to 470 (μF)	Capacitance Tolerance	±20% (M)						
Surge Voltage	Rated voltage X 1.25	Dissipation Factor (at 20°C 120Hz)	Rated Voltage (V)	16	25	35	50	63	80
			tan δ(max)	0.16	0.14	0.12	0.1	0.08	0.08
Leakage Current	Shall not exceed values shown in standard ratings (at 20°C after 2 mins.)								
Endurance	125°C, 4000hr, apply the rated ripple current without exceeding the rated voltage								
	Appearance	No significant damage							
	Capacitance Change	≤ ±30% of the initial value							
	DF(tanδ)	≤ 200% of the initial specified value							
	ESR	≤ 200% of the initial specified value							
	Leakage current	≤ The initial specified value							
Damp Heat (Steady State)	85±2°C, 85 to 90% RH, 1000~2000+24/-0 hr, voltage applied								
	Size code	06X8			08X8/10X9/10A2/10A6				
	Life time	1000hrs			2000hrs				
	Characteristics	Performance							
	Appearance	No significant damage							
	Capacitance Change	≤ ±20% of the initial value			≤ ±30% of the initial value				
	DF(tanδ)	≤ 200% of the initial specified value							
	ESR	≤ 200% of the initial specified value							
	Leakage current	≤ The initial specified value							
Surge Voltage	1,000 cycles and each one includes charge with surge voltage specified at 125±2°C for 0.5min through a protective resistor (R=1kΩ) and discharge for 5.5min.								
	Appearance	No significant damage							
	Capacitance Change	≤ ±20% of the initial value							
	DF(tanδ)	≤ 200% of the initial specified value							
	ESR	≤ 200% of the initial specified value							
	Leakage current	≤ The initial specified value							

Dimensions and Marking

Size code	$\psi D \pm 0.5$ (mm)	L(mm)	α (mm)	$\phi d \pm 0.05$ (mm)	$F \pm 0.4$ (mm)	$H \pm 0.3$ (mm)
06X8	6.3	8	-0.5~1	0.6	2.5	3.2
08X8	8	8	-0.5~1	0.6	3.5	3.2
10X9	10	9	-0.5~1	0.6	5	3.2
10A2	10	12	-0.5~1	0.6	5	3.2
10A6	10	16	-0.5~1	0.6	5	3.2

Ask factory for the current technical specifications before purchase and/or use

Should a safety concern arise regarding this product, please be sure to contact us immediately.

CAT ARQC 2024 V4

ARQC Series **AEC-Q200**

Standard Ratings

WV/Vdc (SV)	Cap (μF)	Size Code	Leakage Current (μA)	tanδ	ESR (mΩmax/20%, 100k to300kHz)	Rated Ripple Current (mArms/ 125°C /100kHz)	Part No.
16 (20)	820	10X9	131.2	0.16	18	2,800	160ARQC821M10X9
25 (31.3)	100	06X8	25	0.14	30	1,400	250ARQC101M06X8
	150	06X8	37.5	0.14	30	1,800	250ARQC151M06X8
	220	08X8	55	0.14	27	2,900	250ARQC221M08X8
	270	08X8	67.5	0.14	27	2,900	250ARQC271M08X8
	330	10X9	82.5	0.14	20	3,500	250ARQC331M10X9
	470	10X9	117.5	0.14	20	3,500	250ARQC471M10X9
	470	10A2	117.5	0.14	14	3,500	250ARQC471M10A2
35 (43.8)	47	06X8	16.5	0.12	35	1,400	350ARQC470M06X8
	68	06X8	23.8	0.12	35	1,400	350ARQC680M06X8
	100	06X8	35	0.12	35	1,700	350ARQC101M06X8
	100	08X8	35	0.12	27	1,900	350ARQC101M08X8
	150	08X8	52.5	0.12	27	2,900	350ARQC151M08X8
	180	08X8	63	0.12	27	2,900	350ARQC181M08X8
	220	10X9	77	0.12	20	2,800	350ARQC221M10X9
	270	10X9	94.5	0.12	20	3,500	350ARQC271M10X9
	330	10A2	115.5	0.12	20	3,500	350ARQC331M10X9
	330	10A2	115.5	0.12	14	3,500	350ARQC331M10A2
	470	10A2	164.5	0.12	14	3,500	350ARQC471M10A2
	470	10A6	164.5	0.12	11	4,000	350ARQC471M10A6
50 (62.5)	33	06X8	16.5	0.10	40	1,100	500ARQC330M06X8
	47	08X8	23.5	0.10	30	1,250	500ARQC470M08X8
	68	08X8	34	0.10	30	2,700	500ARQC680M08X8
	100	10X9	50	0.10	23	2,900	500ARQC101M10X9
	120	10X9	60	0.10	25	2,900	500ARQC121M10X9
	150	10A2	75	0.10	17	2,000	500ARQC151M10A2
	180	10A2	90	0.10	17	3,200	500ARQC181M10A2
	220	10A6	110	0.10	13	3,700	500ARQC221M10A6
63 (78.8)	22	06X8	13.9	0.08	80	900	630ARQC220M06X8
	33	08X8	20.8	0.08	40	1,000	630ARQC330M08X8
	47	08X8	29.6	0.08	32	2,400	630ARQC470M08X8
	56	10X9	35.3	0.08	30	2,800	630ARQC560M10X9
	68	10X9	42.8	0.08	30	2,800	630ARQC680M10X9
	82	10X9	51.7	0.08	30	2,800	630ARQC820M10X9
	100	10X9	63	0.08	30	2,800	630ARQC101M10X9
	120	10A2	75.6	0.08	19	3,000	630ARQC121M10A2
	150	10A6	94.5	0.08	15	3,500	630ARQC151M10A6
80 (100)	22	08X8	17.6	0.08	45	1,050	800ARQC220M08X8
	47	10X9	37.6	0.08	33	1,360	800ARQC470M10X9

AP-CON HYBRID ALUMINUM ELECTROLYTIC CAPACITOR



56	10X9	44.8	0.08	33	1,360	800ARQC560M10X9
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