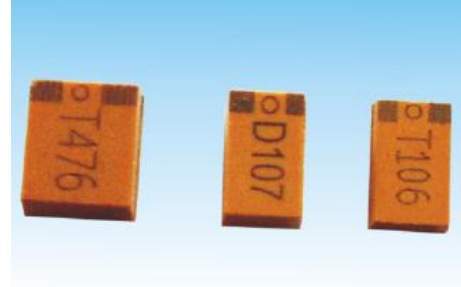


MIL Tantalum Solid Electrolytic Chip Capacitors with Conductive Polymer Electrode Ultra-low ESR

❖ **Feature:**

- Conductive polymer electrode without ignition failure mode
- Ultra-lower ESR
- 3x reflow 260°C compatible
- 100% test through surge current
- Capacitance is stable at high frequency
- Ripple current capacity particularly strong
- Military standard, high reliability
- Standard meet: GJB2283-95, QJ/PWV502-2012
- Widely used in electronic equipment for military applications such as telecommunication, ship, aerospace and aviation.



❖ **General Characteristics**

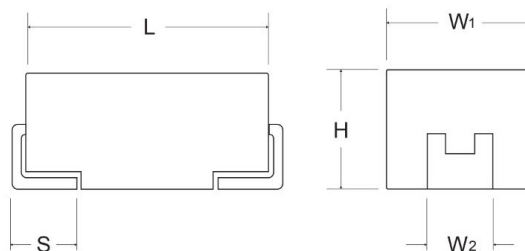
Operating temperature: -55°C ~ +125°C (>85°C, use derated voltage)

Capacitance Tolerance: M=±20%, K=±10%, J=±5%

Capacitance Range: 0.47µF~680µF

Voltage Rating: 16V~100V

❖ **Drawing and Case Dimension**



Unit(mm)

Case code	L	W ₁	H	S	W ₂
A	3.2±0.2	1.6±0.2	1.6±0.2	0.8±0.2	1.2±0.2
B	3.5±0.2	2.8±0.2	1.9±0.2	0.8±0.2	2.2±0.2
C	6.0±0.2	3.2±0.2	2.5±0.2	1.3±0.2	2.2±0.2
D	7.3±0.2	4.3±0.2	2.8±0.2	1.5±0.2	2.4±0.2
E	7.3±0.2	4.3±0.2	4.1±0.2	1.5±0.2	2.4±0.2
V	7.3±0.2	6.1±0.2	3.6±0.2	1.5±0.2	3.0±0.2
W	7.3±0.2	6.1±0.2	4.1±0.2	1.5±0.2	3.0±0.2
T	11.0±0.2	12.5±0.2	5.5±0.2	2.1±0.2	10.5±0.2



❖ Capacitance and Voltage Range with Case Code.

Cap.(Cr) μF	Case Code	ESR max. 100KHz +25°C Ω	Ripple current AC Max. 100KHz/+85°C A	DCL. max μA			Cap. Change rate %			Max. tgδ(%)		
				+25°C	+85°C	+125°C	-55°C	+85°C	+125°C	-55°C	+85°C	+125°C
				Rated Voltage (Ur)16V (Voltage derating 10V)								
2.2	B	0.300	0.54	5.0	40.0	50.0	-10~+10	-10~+30	-10~+50	10	12	15
3.3	B	0.300	0.54	5.3	42.2	52.8	-10~+10	-10~+30	-10~+50	10	12	15
4.7	C	0.100	1.07	7.5	60.2	75.2	-10~+10	-10~+30	-10~+50	10	12	15
4.7	B	0.300	0.54	7.5	60.2	75.2	-10~+10	-10~+30	-10~+50	10	12	15
6.8	C	0.100	1.07	10.9	87.0	108.8	-10~+10	-10~+30	-10~+50	10	12	15
6.8	B	0.300	0.54	10.9	87.0	108.8	-10~+10	-10~+30	-10~+50	10	12	15
10	C	0.100	1.07	16.0	128.0	160.0	-10~+10	-10~+30	-10~+50	10	12	15
10	B	0.300	0.54	16.0	128.0	160.0	-10~+10	-10~+30	-10~+50	10	12	15
15	D	0.060	1.62	24.0	192.0	240.0	-10~+10	-10~+30	-10~+50	10	12	15
15	C	0.100	1.07	24.0	192.0	240.0	-10~+10	-10~+30	-10~+50	10	12	15
15	B	0.300	0.54	24.0	192.0	240.0	-10~+10	-10~+30	-10~+50	10	12	15
18	E	0.060	1.69	28.8	230.4	288.0	-10~+10	-10~+30	-10~+50	10	12	15
18	D	0.060	1.62	28.8	230.4	288.0	-10~+10	-10~+30	-10~+50	10	12	15
18	C	0.100	1.07	28.8	230.4	288.0	-10~+10	-10~+30	-10~+50	10	12	15
22	E	0.060	1.69	35.2	281.6	352.0	-10~+10	-10~+30	-10~+50	10	12	15
22	D	0.060	1.62	35.2	281.6	352.0	-10~+10	-10~+30	-10~+50	10	12	15
22	C	0.150	0.87	35.2	281.6	352.0	-10~+10	-10~+30	-10~+50	10	12	15
22	C	0.100	1.07	35.2	281.6	352.0	-10~+10	-10~+30	-10~+50	10	12	15
33	E	0.060	1.69	52.8	422.4	528.0	-10~+10	-10~+30	-10~+50	10	12	15
33	D	0.060	1.62	52.8	422.4	528.0	-10~+10	-10~+30	-10~+50	10	12	15
33	C	0.100	1.07	52.8	422.4	528.0	-10~+10	-10~+30	-10~+50	10	12	15
47	E	0.060	1.69	75.2	601.6	752.0	-10~+10	-10~+30	-10~+50	10	12	15
47	D	0.060	1.62	75.2	601.6	752.0	-10~+10	-10~+30	-10~+50	10	12	15
47	C	0.100	1.07	75.2	601.6	752.0	-10~+10	-10~+30	-10~+50	10	12	15
68	E	0.060	1.69	108.8	870.4	1088.0	-10~+10	-10~+30	-10~+50	10	12	15
68	D	0.060	1.62	108.8	870.4	1088.0	-10~+10	-10~+30	-10~+50	10	12	15
100	E	0.080	1.47	160.0	1280.0	1600.0	-10~+10	-10~+30	-10~+50	10	12	15
100	E	0.060	1.69	160.0	1280.0	1600.0	-10~+10	-10~+30	-10~+50	10	12	15
100	D	0.080	1.4	160.0	1280.0	1600.0	-10~+10	-10~+30	-10~+50	10	12	15
100	D	0.060	1.62	160.0	1280.0	1600.0	-10~+10	-10~+30	-10~+50	10	12	15
150	V	0.060	1.87	240.0	1920.0	2400.0	-10~+10	-10~+30	-10~+50	10	12	15
150	E	0.080	1.47	240.0	1920.0	2400.0	-10~+10	-10~+30	-10~+50	10	12	15
150	E	0.060	1.69	240.0	1920.0	2400.0	-10~+10	-10~+30	-10~+50	10	12	15
150	D	0.080	1.4	240.0	1920.0	2400.0	-10~+10	-10~+30	-10~+50	10	12	15
150	D	0.060	1.62	240.0	1920.0	2400.0	-10~+10	-10~+30	-10~+50	10	12	15
220	W	0.060	1.89	352.0	2816.0	3520.0	-10~+10	-10~+30	-10~+50	10	12	15
220	V	0.060	1.87	352.0	2816.0	3520.0	-10~+10	-10~+30	-10~+50	10	12	15
220	E	0.080	1.47	352.0	2816.0	3520.0	-10~+10	-10~+30	-10~+50	10	12	15
220	E	0.060	1.69	352.0	2816.0	3520.0	-10~+10	-10~+30	-10~+50	10	12	15



Cap.(Cr) μF	Case Code	ESR max. 100KHz +25°C Ω	Ripple current AC Max. 100KHz/+85°C A	DCL. max μA			Cap. Change rate %			Max. tgδ(%)		
				+25°C	+85°C	+125°C	-55°C	+85°C	+125°C	-55°C +25°C	+85°C	+125°C
Rated Voltage (Ur)16V (Voltage derating 10V)												
330	W	0.080	1.63	528.0	4224.0	5280.0	-10~+10	-10~+30	-10~+50	10	12	15
330	W	0.060	1.89	528.0	4224.0	5280.0	-10~+10	-10~+30	-10~+50	10	12	15
330	V	0.080	1.62	528.0	4224.0	5280.0	-10~+10	-10~+30	-10~+50	10	12	15
330	V	0.060	1.87	528.0	4224.0	5280.0	-10~+10	-10~+30	-10~+50	10	12	15
330	E	0.080	1.47	528.0	4224.0	5280.0	-10~+10	-10~+30	-10~+50	10	12	15
330	E	0.060	1.69	528.0	4224.0	5280.0	-10~+10	-10~+30	-10~+50	10	12	15
330	E	0.025	2.62	528.0	4224.0	5280.0	-10~+10	-10~+30	-10~+50	10	12	15
470	W	0.060	1.89	752.0	6016.0	7520.0	-10~+10	-10~+30	-10~+50	10	12	15
680	T	0.040	3.28	1088.0	8704.0	10880.0	-10~+10	-10~+30	-10~+50	10	12	15
Rated Voltage (Ur)20V (Voltage derating 13V)												
2.2	B	0.300	0.54	5.0	40.0	50.0	-10~+10	-10~+30	-10~+50	10	12	15
3.3	C	0.100	1.07	6.6	52.8	66.0	-10~+10	-10~+30	-10~+50	10	12	15
3.3	B	0.300	0.54	6.6	52.8	66.0	-10~+10	-10~+30	-10~+50	10	12	15
4.7	C	0.100	1.07	9.4	75.2	94.0	-10~+10	-10~+30	-10~+50	10	12	15
4.7	B	0.300	0.54	9.4	75.2	94.0	-10~+10	-10~+30	-10~+50	10	12	15
6.8	C	0.100	1.07	13.6	108.8	136.0	-10~+10	-10~+30	-10~+50	10	12	15
6.8	B	0.300	0.54	13.6	108.8	136.0	-10~+10	-10~+30	-10~+50	10	12	15
10	C	0.150	0.87	20.0	160.0	200.0	-10~+10	-10~+30	-10~+50	10	12	15
10	C	0.100	1.07	20.0	160.0	200.0	-10~+10	-10~+30	-10~+50	10	12	15
10	B	0.300	0.54	20.0	160.0	200.0	-10~+10	-10~+30	-10~+50	10	12	15
15	D	0.060	1.62	30.0	240.0	300.0	-10~+10	-10~+30	-10~+50	10	12	15
15	C	0.150	0.87	30.0	240.0	300.0	-10~+10	-10~+30	-10~+50	10	12	15
15	C	0.100	1.07	30.0	240.0	300.0	-10~+10	-10~+30	-10~+50	10	12	15
18	E	0.060	1.69	36.0	288.0	360.0	-10~+10	-10~+30	-10~+50	10	12	15
18	D	0.060	1.62	36.0	288.0	360.0	-10~+10	-10~+30	-10~+50	10	12	15
18	C	0.100	1.07	36.0	288.0	360.0	-10~+10	-10~+30	-10~+50	10	12	15
22	E	0.080	1.47	44.0	352.0	440.0	-10~+10	-10~+30	-10~+50	10	12	15
22	E	0.060	1.69	44.0	352.0	440.0	-10~+10	-10~+30	-10~+50	10	12	15
22	D	0.060	1.62	44.0	352.0	440.0	-10~+10	-10~+30	-10~+50	10	12	15
22	C	0.100	1.07	44.0	352.0	440.0	-10~+10	-10~+30	-10~+50	10	12	15
33	E	0.060	1.69	66.0	528.0	660.0	-10~+10	-10~+30	-10~+50	10	12	15
33	D	0.060	1.62	66.0	528.0	660.0	-10~+10	-10~+30	-10~+50	10	12	15
33	C	0.100	1.07	66.0	528.0	660.0	-10~+10	-10~+30	-10~+50	10	12	15
47	E	0.060	1.69	94.0	752.0	940.0	-10~+10	-10~+30	-10~+50	10	12	15
47	D	0.080	1.4	94.0	752.0	940.0	-10~+10	-10~+30	-10~+50	10	12	15
47	D	0.060	1.62	94.0	752.0	940.0	-10~+10	-10~+30	-10~+50	10	12	15
47	C	0.100	1.07	94.0	752.0	940.0	-10~+10	-10~+30	-10~+50	10	12	15
68	V	0.060	1.87	136.0	1088.0	1360.0	-10~+10	-10~+30	-10~+50	10	12	15
68	E	0.060	1.69	136.0	1088.0	1360.0	-10~+10	-10~+30	-10~+50	10	12	15
68	D	0.080	1.4	136.0	1088.0	1360.0	-10~+10	-10~+30	-10~+50	10	12	15



Cap.(Cr) μF	Case Code	ESR max. 100KHz +25°C Ω	Ripple current AC Max. 100KHz/+85°C A	DCL. max μA			Cap. Change rate %			Max. tgδ(%)		
				+25°C	+85°C	+125°C	-55°C	+85°C	+125°C	-55°C +25°C	+85°C	+125°C
Rated Voltage (Ur)20V (Voltage derating 13V)												
68	D	0.060	1.62	136.0	1088.0	1360.0	-10~+10	-10~+30	-10~+50	10	12	15
100	V	0.060	1.87	200.0	1600.0	2000.0	-10~+10	-10~+30	-10~+50	10	12	15
100	E	0.080	1.47	200.0	1600.0	2000.0	-10~+10	-10~+30	-10~+50	10	12	15
100	E	0.060	1.69	200.0	1600.0	2000.0	-10~+10	-10~+30	-10~+50	10	12	15
150	W	0.080	1.63	300.0	2400.0	3000.0	-10~+10	-10~+30	-10~+50	10	12	15
150	W	0.060	1.89	300.0	2400.0	3000.0	-10~+10	-10~+30	-10~+50	10	12	15
150	V	0.080	1.62	300.0	2400.0	3000.0	-10~+10	-10~+30	-10~+50	10	12	15
150	V	0.060	1.87	300.0	2400.0	3000.0	-10~+10	-10~+30	-10~+50	10	12	15
150	E	0.080	1.47	300.0	2400.0	3000.0	-10~+10	-10~+30	-10~+50	10	12	15
150	E	0.060	1.69	300.0	2400.0	3000.0	-10~+10	-10~+30	-10~+50	10	12	15
220	W	0.080	1.63	440.0	3520.0	4400.0	-10~+10	-10~+30	-10~+50	10	12	15
220	W	0.060	1.89	440.0	3520.0	4400.0	-10~+10	-10~+30	-10~+50	10	12	15
220	V	0.080	1.62	440.0	3520.0	4400.0	-10~+10	-10~+30	-10~+50	10	12	15
220	V	0.060	1.87	440.0	3520.0	4400.0	-10~+10	-10~+30	-10~+50	10	12	15
220	E	0.080	1.47	440.0	3520.0	4400.0	-10~+10	-10~+30	-10~+50	10	12	15
220	E	0.060	1.69	440.0	3520.0	4400.0	-10~+10	-10~+30	-10~+50	10	12	15
330	W	0.060	1.89	660.0	5280.0	6600.0	-10~+10	-10~+30	-10~+50	10	12	15
330	V	0.080	1.62	660.0	5280.0	6600.0	-10~+10	-10~+30	-10~+50	10	12	15
330	V	0.060	1.87	660.0	5280.0	6600.0	-10~+10	-10~+30	-10~+50	10	12	15
Rated Voltage (Ur)25V (Voltage derating 17V)												
1.5	C	0.150	0.87	5.0	40.0	50.0	-10~+10	-10~+30	-10~+50	10	12	15
1.5	B	0.300	0.54	5.0	40.0	50.0	-10~+10	-10~+30	-10~+50	10	12	15
2.2	C	0.150	0.87	5.5	44.0	55.0	-10~+10	-10~+30	-10~+50	10	12	15
2.2	B	0.300	0.54	5.5	44.0	55.0	-10~+10	-10~+30	-10~+50	10	12	15
3.3	C	0.150	0.87	8.3	66.0	82.5	-10~+10	-10~+30	-10~+50	10	12	15
3.3	C	0.100	1.07	8.3	66.0	82.5	-10~+10	-10~+30	-10~+50	10	12	15
3.3	B	0.300	0.54	8.3	66.0	82.5	-10~+10	-10~+30	-10~+50	10	12	15
4.7	C	0.150	0.87	11.8	94.0	117.5	-10~+10	-10~+30	-10~+50	10	12	15
4.7	C	0.100	1.07	11.8	94.0	117.5	-10~+10	-10~+30	-10~+50	10	12	15
4.7	B	0.300	0.54	11.8	94.0	117.5	-10~+10	-10~+30	-10~+50	10	12	15
6.8	C	0.150	0.87	17.0	136.0	170.0	-10~+10	-10~+30	-10~+50	10	12	15
6.8	C	0.100	1.07	17.0	136.0	170.0	-10~+10	-10~+30	-10~+50	10	12	15
6.8	B	0.300	0.54	17.0	136.0	170.0	-10~+10	-10~+30	-10~+50	10	12	15
10	C	0.150	0.87	25.0	200.0	250.0	-10~+10	-10~+30	-10~+50	10	12	15
10	C	0.100	1.07	25.0	200.0	250.0	-10~+10	-10~+30	-10~+50	10	12	15
10	B	0.300	0.54	25.0	200.0	250.0	-10~+10	-10~+30	-10~+50	10	12	15
15	D	0.060	1.62	37.5	300.0	375.0	-10~+10	-10~+30	-10~+50	10	12	15
15	C	0.100	1.07	37.5	300.0	375.0	-10~+10	-10~+30	-10~+50	10	12	15
18	E	0.060	1.69	45.0	360.0	450.0	-10~+10	-10~+30	-10~+50	10	12	15



Cap.(Cr) μF	Case Code	ESR max. 100KHz +25°C Ω	Ripple current AC Max. 100KHz/+85°C A	DCL. max μA			Cap. Change rate %			Max. tgδ(%)		
				+25°C	+85°C	+125°C	-55°C	+85°C	+125°C	-55°C +25°C	+85°C	+125°C
Rated Voltage (Ur)25V (Voltage derating 17V)												
18	D	0.060	1.62	45.0	360.0	450.0	-10~+10	-10~+30	-10~+50	10	12	15
18	C	0.100	1.07	45.0	360.0	450.0	-10~+10	-10~+30	-10~+50	10	12	15
22	E	0.060	1.69	55.0	440.0	550.0	-10~+10	-10~+30	-10~+50	10	12	15
22	D	0.080	1.4	55.0	440.0	550.0	-10~+10	-10~+30	-10~+50	10	12	15
22	D	0.060	1.62	55.0	440.0	550.0	-10~+10	-10~+30	-10~+50	10	12	15
22	C	0.100	1.07	55.0	440.0	550.0	-10~+10	-10~+30	-10~+50	10	12	15
33	E	0.080	1.47	82.5	660.0	825.0	-10~+10	-10~+30	-10~+50	10	12	15
33	E	0.060	1.69	82.5	660.0	825.0	-10~+10	-10~+30	-10~+50	10	12	15
33	D	0.080	1.4	82.5	660.0	825.0	-10~+10	-10~+30	-10~+50	10	12	15
33	D	0.060	1.62	82.5	660.0	825.0	-10~+10	-10~+30	-10~+50	10	12	15
47	E	0.080	1.47	117.5	940.0	1175.0	-10~+10	-10~+30	-10~+50	10	12	15
47	E	0.060	1.69	117.5	940.0	1175.0	-10~+10	-10~+30	-10~+50	10	12	15
47	D	0.080	1.4	117.5	940.0	1175.0	-10~+10	-10~+30	-10~+50	10	12	15
47	D	0.060	1.62	117.5	940.0	1175.0	-10~+10	-10~+30	-10~+50	10	12	15
68	V	0.080	1.62	170.0	1360.0	1700.0	-10~+10	-10~+30	-10~+50	10	12	15
68	V	0.060	1.87	170.0	1360.0	1700.0	-10~+10	-10~+30	-10~+50	10	12	15
68	E	0.080	1.47	170.0	1360.0	1700.0	-10~+10	-10~+30	-10~+50	10	12	15
68	E	0.060	1.69	170.0	1360.0	1700.0	-10~+10	-10~+30	-10~+50	10	12	15
68	D	0.080	1.4	170.0	1360.0	1700.0	-10~+10	-10~+30	-10~+50	10	12	15
68	D	0.060	1.62	170.0	1360.0	1700.0	-10~+10	-10~+30	-10~+50	10	12	15
100	W	0.080	1.63	250.0	2000.0	2500.0	-10~+10	-10~+30	-10~+50	10	12	15
100	W	0.060	1.89	250.0	2000.0	2500.0	-10~+10	-10~+30	-10~+50	10	12	15
100	V	0.080	1.62	250.0	2000.0	2500.0	-10~+10	-10~+30	-10~+50	10	12	15
100	V	0.060	1.87	250.0	2000.0	2500.0	-10~+10	-10~+30	-10~+50	10	12	15
100	E	0.080	1.47	250.0	2000.0	2500.0	-10~+10	-10~+30	-10~+50	10	12	15
100	E	0.060	1.69	250.0	2000.0	2500.0	-10~+10	-10~+30	-10~+50	10	12	15
150	W	0.080	1.63	375.0	3000.0	3750.0	-10~+10	-10~+30	-10~+50	10	12	15
150	W	0.060	1.89	375.0	3000.0	3750.0	-10~+10	-10~+30	-10~+50	10	12	15
150	V	0.080	1.62	375.0	3000.0	3750.0	-10~+10	-10~+30	-10~+50	10	12	15
150	V	0.060	1.87	375.0	3000.0	3750.0	-10~+10	-10~+30	-10~+50	10	12	15
Rated Voltage (Ur)35V (Voltage derating 23V)												
1	C	0.200	0.75	5.0	40.0	50.0	-10~+10	-10~+30	-10~+50	10	12	15
1	C	0.100	1.07	5.0	40.0	50.0	-10~+10	-10~+30	-10~+50	10	12	15
1	B	0.350	0.5	5.0	40.0	50.0	-10~+10	-10~+30	-10~+50	10	12	15
1.5	C	0.200	0.75	5.3	42.0	52.5	-10~+10	-10~+30	-10~+50	10	12	15
1.5	C	0.100	1.07	5.3	42.0	52.5	-10~+10	-10~+30	-10~+50	10	12	15
1.5	B	0.350	0.5	5.3	42.0	52.5	-10~+10	-10~+30	-10~+50	10	12	15
2.2	C	0.200	0.75	7.7	61.6	77.0	-10~+10	-10~+30	-10~+50	10	12	15
2.2	C	0.100	1.07	7.7	61.6	77.0	-10~+10	-10~+30	-10~+50	10	12	15



Cap.(Cr) μF	Case Code	ESR max. 100KHz +25°C Ω	Ripple current AC Max. 100KHz/+85°C A	DCL. max μA			Cap. Change rate %			Max. tgδ(%)		
				+25°C	+85°C	+125°C	-55°C	+85°C	+125°C	-55°C +25°C	+85°C	+125°C
Rated Voltage (Ur)35V (Voltage derating 23V)												
2.2	B	0.350	0.5	7.7	61.6	77.0	-10~+10	-10~+30	-10~+50	10	12	15
3.3	C	0.200	0.75	11.6	92.4	115.5	-10~+10	-10~+30	-10~+50	10	12	15
3.3	C	0.100	1.07	11.6	92.4	115.5	-10~+10	-10~+30	-10~+50	10	12	15
3.3	B	0.350	0.5	11.6	92.4	115.5	-10~+10	-10~+30	-10~+50	10	12	15
4.7	C	0.200	0.75	16.5	131.6	164.5	-10~+10	-10~+30	-10~+50	10	12	15
4.7	C	0.100	1.07	16.5	131.6	164.5	-10~+10	-10~+30	-10~+50	10	12	15
4.7	B	0.350	0.5	16.5	131.6	164.5	-10~+10	-10~+30	-10~+50	10	12	15
6.8	D	0.075	1.44	23.8	190.4	238.0	-10~+10	-10~+30	-10~+50	10	12	15
6.8	C	0.200	0.75	23.8	190.4	238.0	-10~+10	-10~+30	-10~+50	10	12	15
6.8	C	0.100	1.07	23.8	190.4	238.0	-10~+10	-10~+30	-10~+50	10	12	15
10	E	0.075	1.51	35.0	280.0	350.0	-10~+10	-10~+30	-10~+50	10	12	15
10	D	0.090	1.32	35.0	280.0	350.0	-10~+10	-10~+30	-10~+50	10	12	15
10	D	0.075	1.44	35.0	280.0	350.0	-10~+10	-10~+30	-10~+50	10	12	15
10	C	0.200	0.75	35.0	280.0	350.0	-10~+10	-10~+30	-10~+50	10	12	15
10	C	0.100	1.07	35.0	280.0	350.0	-10~+10	-10~+30	-10~+50	10	12	15
15	E	0.075	1.51	52.5	420.0	525.0	-10~+10	-10~+30	-10~+50	10	12	15
15	D	0.090	1.32	52.5	420.0	525.0	-10~+10	-10~+30	-10~+50	10	12	15
15	D	0.075	1.44	52.5	420.0	525.0	-10~+10	-10~+30	-10~+50	10	12	15
18	E	0.075	1.51	63.0	504.0	630.0	-10~+10	-10~+30	-10~+50	10	12	15
18	D	0.075	1.44	63.0	504.0	630.0	-10~+10	-10~+30	-10~+50	10	12	15
22	E	0.075	1.51	77.0	616.0	770.0	-10~+10	-10~+30	-10~+50	10	12	15
22	D	0.090	1.32	77.0	616.0	770.0	-10~+10	-10~+30	-10~+50	10	12	15
22	D	0.075	1.44	77.0	616.0	770.0	-10~+10	-10~+30	-10~+50	10	12	15
33	V	0.075	1.67	115.5	924.0	1155.0	-10~+10	-10~+30	-10~+50	10	12	15
33	E	0.090	1.38	115.5	924.0	1155.0	-10~+10	-10~+30	-10~+50	10	12	15
33	E	0.075	1.51	115.5	924.0	1155.0	-10~+10	-10~+30	-10~+50	10	12	15
47	W	0.090	1.54	164.5	1316.0	1645.0	-10~+10	-10~+30	-10~+50	10	12	15
47	W	0.075	1.69	164.5	1316.0	1645.0	-10~+10	-10~+30	-10~+50	10	12	15
47	V	0.090	1.53	164.5	1316.0	1645.0	-10~+10	-10~+30	-10~+50	10	12	15
47	V	0.075	1.67	164.5	1316.0	1645.0	-10~+10	-10~+30	-10~+50	10	12	15
47	E	0.090	1.38	164.5	1316.0	1645.0	-10~+10	-10~+30	-10~+50	10	12	15
47	E	0.075	1.51	164.5	1316.0	1645.0	-10~+10	-10~+30	-10~+50	10	12	15
68	W	0.090	1.54	238.0	1904.0	2380.0	-10~+10	-10~+30	-10~+50	10	12	15
68	W	0.060	1.89	238.0	1904.0	2380.0	-10~+10	-10~+30	-10~+50	10	12	15
68	V	0.090	1.53	238.0	1904.0	2380.0	-10~+10	-10~+30	-10~+50	10	12	15
68	V	0.075	1.67	238.0	1904.0	2380.0	-10~+10	-10~+30	-10~+50	10	12	15
100	T	0.090	2.18	350.0	2800.0	3500.0	-10~+10	-10~+30	-10~+50	10	12	15
100	T	0.050	2.93	350.0	2800.0	3500.0	-10~+10	-10~+30	-10~+50	10	12	15
100	W	0.090	1.54	350.0	2800.0	3500.0	-10~+10	-10~+30	-10~+50	10	12	15



Cap.(Cr) μF	Case Code	ESR max. 100KHz +25°C Ω	Ripple current AC Max. 100KHz/+85°C A	DCL. max μA			Cap. Change rate %			Max. tgδ(%)		
				+25°C	+85°C	+125°C	-55°C	+85°C	+125°C	-55°C	+85°C	+125°C
						+25°C			+25°C			+25°C
Rated Voltage (Ur)35V (Voltage derating 23V)												
100	W	0.060	1.89	350.0	2800.0	3500.0	-10~+10	-10~+30	-10~+50	10	12	15
150	T	0.090	2.18	525.0	4200.0	5250.0	-10~+10	-10~+30	-10~+50	10	12	15
150	T	0.050	2.93	525.0	4200.0	5250.0	-10~+10	-10~+30	-10~+50	10	12	15
Rated Voltage (Ur)50V (Voltage derating 33V)												
0.68	C	0.200	0.75	5.0	40.0	50.0	-10~+10	-10~+30	-10~+50	10	12	15
0.68	C	0.100	1.07	5.0	40.0	50.0	-10~+10	-10~+30	-10~+50	10	12	15
0.68	B	0.350	0.5	5.0	40.0	50.0	-10~+10	-10~+30	-10~+50	10	12	15
1	C	0.200	0.75	5.0	40.0	50.0	-10~+10	-10~+30	-10~+50	10	12	15
1	C	0.100	1.07	5.0	40.0	50.0	-10~+10	-10~+30	-10~+50	10	12	15
1	B	0.350	0.5	5.0	40.0	50.0	-10~+10	-10~+30	-10~+50	10	12	15
1.5	C	0.200	0.75	7.5	60.0	75.0	-10~+10	-10~+30	-10~+50	10	12	15
1.5	C	0.100	1.07	7.5	60.0	75.0	-10~+10	-10~+30	-10~+50	10	12	15
1.5	B	0.350	0.5	7.5	60.0	75.0	-10~+10	-10~+30	-10~+50	10	12	15
2.2	C	0.200	0.75	11.0	88.0	110.0	-10~+10	-10~+30	-10~+50	10	12	15
2.2	C	0.100	1.07	11.0	88.0	110.0	-10~+10	-10~+30	-10~+50	10	12	15
2.2	B	0.350	0.5	11.0	88.0	110.0	-10~+10	-10~+30	-10~+50	10	12	15
3.3	D	0.100	1.25	16.5	132.0	165.0	-10~+10	-10~+30	-10~+50	10	12	15
3.3	D	0.080	1.4	16.5	132.0	165.0	-10~+10	-10~+30	-10~+50	10	12	15
3.3	C	0.200	0.75	16.5	132.0	165.0	-10~+10	-10~+30	-10~+50	10	12	15
3.3	C	0.100	1.07	16.5	132.0	165.0	-10~+10	-10~+30	-10~+50	10	12	15
4.7	D	0.100	1.25	23.5	188.0	235.0	-10~+10	-10~+30	-10~+50	10	12	15
4.7	D	0.080	1.4	23.5	188.0	235.0	-10~+10	-10~+30	-10~+50	10	12	15
4.7	C	0.200	0.75	23.5	188.0	235.0	-10~+10	-10~+30	-10~+50	10	12	15
4.7	C	0.100	1.07	23.5	188.0	235.0	-10~+10	-10~+30	-10~+50	10	12	15
6.8	D	0.100	1.25	34.0	272.0	340.0	-10~+10	-10~+30	-10~+50	10	12	15
6.8	D	0.080	1.4	34.0	272.0	340.0	-10~+10	-10~+30	-10~+50	10	12	15
6.8	C	0.200	0.75	34.0	272.0	340.0	-10~+10	-10~+30	-10~+50	10	12	15
6.8	C	0.100	1.07	34.0	272.0	340.0	-10~+10	-10~+30	-10~+50	10	12	15
10	E	0.100	1.31	50.0	400.0	500.0	-10~+10	-10~+30	-10~+50	10	12	15
10	E	0.080	1.47	50.0	400.0	500.0	-10~+10	-10~+30	-10~+50	10	12	15
10	D	0.100	1.25	50.0	400.0	500.0	-10~+10	-10~+30	-10~+50	10	12	15
10	D	0.080	1.4	50.0	400.0	500.0	-10~+10	-10~+30	-10~+50	10	12	15
15	V	0.100	1.45	75.0	600.0	750.0	-10~+10	-10~+30	-10~+50	10	12	15
15	V	0.080	1.62	75.0	600.0	750.0	-10~+10	-10~+30	-10~+50	10	12	15
15	E	0.100	1.31	75.0	600.0	750.0	-10~+10	-10~+30	-10~+50	10	12	15
15	E	0.080	1.47	75.0	600.0	750.0	-10~+10	-10~+30	-10~+50	10	12	15
18	V	0.080	1.62	90.0	720.0	900.0	-10~+10	-10~+30	-10~+50	10	12	15
18	E	0.080	1.47	90.0	720.0	900.0	-10~+10	-10~+30	-10~+50	10	12	15
22	W	0.070	1.75	110.0	880.0	1100.0	-10~+10	-10~+30	-10~+50	10	12	15



Cap.(Cr) μF	Case Code	ESR max. 100KHz +25°C Ω	Ripple current AC Max. 100KHz/+85°C A	DCL. max μA			Cap. Change rate %			Max. tgδ(%)		
				+25°C	+85°C	+125°C	-55°C	+85°C	+125°C	-55°C +25°C	+85°C	+125°C
Rated Voltage (Ur)50V (Voltage derating 33V)												
22	V	0.100	1.45	110.0	880.0	1100.0	-10~+10	-10~+30	-10~+50	10	12	15
22	V	0.070	1.73	110.0	880.0	1100.0	-10~+10	-10~+30	-10~+50	10	12	15
22	E	0.100	1.31	110.0	880.0	1100.0	-10~+10	-10~+30	-10~+50	10	12	15
22	E	0.070	1.57	110.0	880.0	1100.0	-10~+10	-10~+30	-10~+50	10	12	15
33	W	0.100	1.46	165.0	1320.0	1650.0	-10~+10	-10~+30	-10~+50	10	12	15
33	W	0.080	1.63	165.0	1320.0	1650.0	-10~+10	-10~+30	-10~+50	10	12	15
33	V	0.100	1.45	165.0	1320.0	1650.0	-10~+10	-10~+30	-10~+50	10	12	15
33	V	0.080	1.62	165.0	1320.0	1650.0	-10~+10	-10~+30	-10~+50	10	12	15
47	T	0.100	2.07	235.0	1880.0	2350.0	-10~+10	-10~+30	-10~+50	10	12	15
47	T	0.060	2.67	235.0	1880.0	2350.0	-10~+10	-10~+30	-10~+50	10	12	15
47	W	0.100	1.46	235.0	1880.0	2350.0	-10~+10	-10~+30	-10~+50	10	12	15
47	W	0.060	1.89	235.0	1880.0	2350.0	-10~+10	-10~+30	-10~+50	10	12	15
68	T	0.100	2.07	340.0	2720.0	3400.0	-10~+10	-10~+30	-10~+50	10	12	15
68	T	0.060	2.67	340.0	2720.0	3400.0	-10~+10	-10~+30	-10~+50	10	12	15
68	W	0.100	1.46	340.0	2720.0	3400.0	-10~+10	-10~+30	-10~+50	10	12	15
68	W	0.060	1.89	340.0	2720.0	3400.0	-10~+10	-10~+30	-10~+50	10	12	15
100	T	0.100	2.07	500.0	4000.0	5000.0	-10~+10	-10~+30	-10~+50	10	12	15
100	T	0.060	2.67	500.0	4000.0	5000.0	-10~+10	-10~+30	-10~+50	10	12	15
Rated Voltage (Ur)63V (Voltage derating 40V)												
0.47	C	0.200	0.75	5.0	40.0	50.0	-10~+10	-10~+30	-10~+50	10	12	15
0.47	C	0.120	0.98	5.0	40.0	50.0	-10~+10	-10~+30	-10~+50	10	12	15
0.47	B	0.350	0.5	5.0	40.0	50.0	-10~+10	-10~+30	-10~+50	10	12	15
0.68	C	0.200	0.75	5.0	40.0	50.0	-10~+10	-10~+30	-10~+50	10	12	15
0.68	C	0.120	0.98	5.0	40.0	50.0	-10~+10	-10~+30	-10~+50	10	12	15
0.68	B	0.350	0.5	5.0	40.0	50.0	-10~+10	-10~+30	-10~+50	10	12	15
1	D	0.120	1.14	6.3	50.4	63.0	-10~+10	-10~+30	-10~+50	10	12	15
1	D	0.100	1.25	6.3	50.4	63.0	-10~+10	-10~+30	-10~+50	10	12	15
1	C	0.200	0.75	6.3	50.4	63.0	-10~+10	-10~+30	-10~+50	10	12	15
1	C	0.120	0.98	6.3	50.4	63.0	-10~+10	-10~+30	-10~+50	10	12	15
1.5	D	0.120	1.14	9.5	75.6	94.5	-10~+10	-10~+30	-10~+50	10	12	15
1.5	D	0.100	1.25	9.5	75.6	94.5	-10~+10	-10~+30	-10~+50	10	12	15
1.5	C	0.200	0.75	9.5	75.6	94.5	-10~+10	-10~+30	-10~+50	10	12	15
1.5	C	0.120	0.98	9.5	75.6	94.5	-10~+10	-10~+30	-10~+50	10	12	15
2.2	D	0.120	1.14	13.9	110.9	138.6	-10~+10	-10~+30	-10~+50	10	12	15
2.2	D	0.100	1.25	13.9	110.9	138.6	-10~+10	-10~+30	-10~+50	10	12	15
2.2	C	0.200	0.75	13.9	110.9	138.6	-10~+10	-10~+30	-10~+50	10	12	15
2.2	C	0.120	0.98	13.9	110.9	138.6	-10~+10	-10~+30	-10~+50	10	12	15
3.3	D	0.120	1.14	20.8	166.3	207.9	-10~+10	-10~+30	-10~+50	10	12	15
3.3	D	0.100	1.25	20.8	166.3	207.9	-10~+10	-10~+30	-10~+50	10	12	15



Cap.(Cr) μF	Case Code	ESR max. 100KHz +25°C Ω	Ripple current AC Max. 100KHz/+85°C A	DCL. max μA			Cap. Change rate %			Max. tgδ(%)		
				+25°C	+85°C	+125°C	-55°C	+85°C	+125°C	-55°C	+85°C	+125°C
Rated Voltage (Ur)63V (Voltage derating 40V)												
3.3	C	0.200	0.75	20.8	166.3	207.9	-10~+10	-10~+30	-10~+50	10	12	15
3.3	C	0.120	0.98	20.8	166.3	207.9	-10~+10	-10~+30	-10~+50	10	12	15
4.7	E	0.120	1.2	29.6	236.9	296.1	-10~+10	-10~+30	-10~+50	10	12	15
4.7	E	0.080	1.47	29.6	236.9	296.1	-10~+10	-10~+30	-10~+50	10	12	15
4.7	D	0.120	1.14	29.6	236.9	296.1	-10~+10	-10~+30	-10~+50	10	12	15
4.7	D	0.100	1.25	29.6	236.9	296.1	-10~+10	-10~+30	-10~+50	10	12	15
6.8	E	0.120	1.2	42.8	342.7	428.4	-10~+10	-10~+30	-10~+50	10	12	15
6.8	E	0.080	1.47	42.8	342.7	428.4	-10~+10	-10~+30	-10~+50	10	12	15
6.8	D	0.120	1.14	42.8	342.7	428.4	-10~+10	-10~+30	-10~+50	10	12	15
6.8	D	0.100	1.25	42.8	342.7	428.4	-10~+10	-10~+30	-10~+50	10	12	15
10	V	0.120	1.32	63.0	504.0	630.0	-10~+10	-10~+30	-10~+50	10	12	15
10	V	0.080	1.62	63.0	504.0	630.0	-10~+10	-10~+30	-10~+50	10	12	15
10	E	0.120	1.2	63.0	504.0	630.0	-10~+10	-10~+30	-10~+50	10	12	15
10	E	0.080	1.47	63.0	504.0	630.0	-10~+10	-10~+30	-10~+50	10	12	15
10	D	0.120	1.14	63.0	504.0	630.0	-10~+10	-10~+30	-10~+50	10	12	15
10	D	0.100	1.25	63.0	504.0	630.0	-10~+10	-10~+30	-10~+50	10	12	15
15	W	0.120	1.33	94.5	756.0	945.0	-10~+10	-10~+30	-10~+50	10	12	15
15	W	0.080	1.63	94.5	756.0	945.0	-10~+10	-10~+30	-10~+50	10	12	15
15	V	0.120	1.32	94.5	756.0	945.0	-10~+10	-10~+30	-10~+50	10	12	15
15	V	0.080	1.62	94.5	756.0	945.0	-10~+10	-10~+30	-10~+50	10	12	15
15	E	0.120	1.2	94.5	756.0	945.0	-10~+10	-10~+30	-10~+50	10	12	15
15	E	0.080	1.47	94.5	756.0	945.0	-10~+10	-10~+30	-10~+50	10	12	15
18	W	0.120	1.33	113.4	907.2	1134.0	-10~+10	-10~+30	-10~+50	10	12	15
18	W	0.080	1.63	113.4	907.2	1134.0	-10~+10	-10~+30	-10~+50	10	12	15
18	V	0.120	1.32	113.4	907.2	1134.0	-10~+10	-10~+30	-10~+50	10	12	15
18	V	0.080	1.62	113.4	907.2	1134.0	-10~+10	-10~+30	-10~+50	10	12	15
18	E	0.120	1.2	113.4	907.2	1134.0	-10~+10	-10~+30	-10~+50	10	12	15
18	E	0.080	1.47	113.4	907.2	1134.0	-10~+10	-10~+30	-10~+50	10	12	15
22	T	0.120	1.89	138.6	1108.8	1386.0	-10~+10	-10~+30	-10~+50	10	12	15
22	T	0.080	2.31	138.6	1108.8	1386.0	-10~+10	-10~+30	-10~+50	10	12	15
22	W	0.120	1.33	138.6	1108.8	1386.0	-10~+10	-10~+30	-10~+50	10	12	15
22	W	0.080	1.63	138.6	1108.8	1386.0	-10~+10	-10~+30	-10~+50	10	12	15
33	T	0.120	1.89	207.9	1663.2	2079.0	-10~+10	-10~+30	-10~+50	10	12	15
33	T	0.080	2.31	207.9	1663.2	2079.0	-10~+10	-10~+30	-10~+50	10	12	15
33	W	0.120	1.33	207.9	1663.2	2079.0	-10~+10	-10~+30	-10~+50	10	12	15
33	W	0.080	1.63	207.9	1663.2	2079.0	-10~+10	-10~+30	-10~+50	10	12	15
47	T	0.120	1.89	296.1	2368.8	2961.0	-10~+10	-10~+30	-10~+50	10	12	15
47	T	0.080	2.31	296.1	2368.8	2961.0	-10~+10	-10~+30	-10~+50	10	12	15
68	T	0.120	1.89	428.4	3427.2	4284.0	-10~+10	-10~+30	-10~+50	10	12	15



Cap.(Cr) μF	Case Code	ESR max. 100KHz +25°C Ω	Ripple current AC Max. 100KHz/+85°C A	DCL. max μA			Cap. Change rate %			Max. tgδ(%)		
				+25°C	+85°C	+125°C	-55°C	+85°C	+125°C	-55°C +25°C	+85°C	+125°C
Rated Voltage (Ur)63V (Voltage derating 40V)												
68	T	0.080	2.31	428.4	3427.2	4284.0	-10~+10	-10~+30	-10~+50	10	12	15
Rated Voltage (Ur)75V (Voltage derating 50V)												
0.47	C	0.250	0.67	5.0	40.0	50.0	-10~+10	-10~+30	-10~+50	10	12	15
0.47	B	0.350	0.5	5.0	40.0	50.0	-10~+10	-10~+30	-10~+50	10	12	15
0.68	C	0.250	0.67	5.1	40.8	51.0	-10~+10	-10~+30	-10~+50	10	12	15
0.68	B	0.350	0.5	5.1	40.8	51.0	-10~+10	-10~+30	-10~+50	10	12	15
1	D	0.120	1.14	7.5	60.0	75.0	-10~+10	-10~+30	-10~+50	10	12	15
1	D	0.100	1.25	7.5	60.0	75.0	-10~+10	-10~+30	-10~+50	10	12	15
1	C	0.250	0.67	7.5	60.0	75.0	-10~+10	-10~+30	-10~+50	10	12	15
1	C	0.120	0.98	7.5	60.0	75.0	-10~+10	-10~+30	-10~+50	10	12	15
1.5	D	0.120	1.14	11.3	90.0	112.5	-10~+10	-10~+30	-10~+50	10	12	15
1.5	D	0.100	1.25	11.3	90.0	112.5	-10~+10	-10~+30	-10~+50	10	12	15
1.5	C	0.250	0.67	11.3	90.0	112.5	-10~+10	-10~+30	-10~+50	10	12	15
1.5	C	0.120	0.98	11.3	90.0	112.5	-10~+10	-10~+30	-10~+50	10	12	15
2.2	D	0.120	1.14	16.5	132.0	165.0	-10~+10	-10~+30	-10~+50	10	12	15
2.2	D	0.100	1.25	16.5	132.0	165.0	-10~+10	-10~+30	-10~+50	10	12	15
2.2	C	0.250	0.67	16.5	132.0	165.0	-10~+10	-10~+30	-10~+50	10	12	15
2.2	C	0.120	0.98	16.5	132.0	165.0	-10~+10	-10~+30	-10~+50	10	12	15
3.3	E	0.120	1.2	24.8	198.0	247.5	-10~+10	-10~+30	-10~+50	10	12	15
3.3	E	0.100	1.31	24.8	198.0	247.5	-10~+10	-10~+30	-10~+50	10	12	15
3.3	D	0.120	1.14	24.8	198.0	247.5	-10~+10	-10~+30	-10~+50	10	12	15
4.7	V	0.120	1.32	35.3	282.0	352.5	-10~+10	-10~+30	-10~+50	10	12	15
4.7	V	0.100	1.45	35.3	282.0	352.5	-10~+10	-10~+30	-10~+50	10	12	15
4.7	E	0.120	1.2	35.3	282.0	352.5	-10~+10	-10~+30	-10~+50	10	12	15
4.7	E	0.100	1.31	35.3	282.0	352.5	-10~+10	-10~+30	-10~+50	10	12	15
6.8	V	0.120	1.32	51.0	408.0	510.0	-10~+10	-10~+30	-10~+50	10	12	15
6.8	V	0.100	1.45	51.0	408.0	510.0	-10~+10	-10~+30	-10~+50	10	12	15
6.8	E	0.120	1.2	51.0	408.0	510.0	-10~+10	-10~+30	-10~+50	10	12	15
6.8	E	0.100	1.31	51.0	408.0	510.0	-10~+10	-10~+30	-10~+50	10	12	15
10	W	0.120	1.33	75.0	600.0	750.0	-10~+10	-10~+30	-10~+50	10	12	15
10	W	0.100	1.46	75.0	600.0	750.0	-10~+10	-10~+30	-10~+50	10	12	15
10	V	0.120	1.32	75.0	600.0	750.0	-10~+10	-10~+30	-10~+50	10	12	15
10	V	0.100	1.45	75.0	600.0	750.0	-10~+10	-10~+30	-10~+50	10	12	15
15	T	0.120	1.89	112.5	900.0	1125.0	-10~+10	-10~+30	-10~+50	10	12	15
15	T	0.100	2.07	112.5	900.0	1125.0	-10~+10	-10~+30	-10~+50	10	12	15
18	T	0.120	1.89	135.0	1080.0	1350.0	-10~+10	-10~+30	-10~+50	10	12	15
18	T	0.100	2.07	135.0	1080.0	1350.0	-10~+10	-10~+30	-10~+50	10	12	15
22	T	0.120	1.89	165.0	1320.0	1650.0	-10~+10	-10~+30	-10~+50	10	12	15
22	T	0.100	2.07	165.0	1320.0	1650.0	-10~+10	-10~+30	-10~+50	10	12	15



Cap.(Cr) μF	Case Code	ESR max. 100KHz +25°C Ω	Ripple current AC Max. 100KHz/+85°C A	DCL. max μA			Cap. Change rate %			Max. tgδ(%)		
				+25°C	+85°C	+125°C	-55°C	+85°C	+125°C	-55°C	+85°C	+125°C
Rated Voltage (Ur)100V (Voltage derating 63V)												
0.47	C	0.300	0.62	5.0	40.0	50.0	-10~+10	-10~+30	-10~+50	10	12	15
0.47	B	0.400	0.47	5.0	40.0	50.0	-10~+10	-10~+30	-10~+50	10	12	15
0.68	D	0.150	1.02	6.8	54.4	68.0	-10~+10	-10~+30	-10~+50	10	12	15
0.68	C	0.300	0.62	6.8	54.4	68.0	-10~+10	-10~+30	-10~+50	10	12	15
1	D	0.150	1.02	10.0	80.0	100.0	-10~+10	-10~+30	-10~+50	10	12	15
1	D	0.100	1.25	10.0	80.0	100.0	-10~+10	-10~+30	-10~+50	10	12	15
1	C	0.300	0.62	10.0	80.0	100.0	-10~+10	-10~+30	-10~+50	10	12	15
1	C	0.150	0.87	10.0	80.0	100.0	-10~+10	-10~+30	-10~+50	10	12	15
1.5	E	0.150	1.07	15.0	120.0	150.0	-10~+10	-10~+30	-10~+50	10	12	15
1.5	D	0.150	1.02	15.0	120.0	150.0	-10~+10	-10~+30	-10~+50	10	12	15
2.2	V	0.150	1.18	22.0	176.0	220.0	-10~+10	-10~+30	-10~+50	10	12	15
2.2	V	0.100	1.45	22.0	176.0	220.0	-10~+10	-10~+30	-10~+50	10	12	15
2.2	E	0.150	1.07	22.0	176.0	220.0	-10~+10	-10~+30	-10~+50	10	12	15
3.3	W	0.150	1.19	33.0	264.0	330.0	-10~+10	-10~+30	-10~+50	10	12	15
3.3	W	0.100	1.46	33.0	264.0	330.0	-10~+10	-10~+30	-10~+50	10	12	15
3.3	V	0.150	1.18	33.0	264.0	330.0	-10~+10	-10~+30	-10~+50	10	12	15
3.3	V	0.100	1.45	33.0	264.0	330.0	-10~+10	-10~+30	-10~+50	10	12	15
4.7	W	0.150	1.19	47.0	376.0	470.0	-10~+10	-10~+30	-10~+50	10	12	15
4.7	W	0.100	1.46	47.0	376.0	470.0	-10~+10	-10~+30	-10~+50	10	12	15
4.7	V	0.150	1.18	47.0	376.0	470.0	-10~+10	-10~+30	-10~+50	10	12	15
4.7	V	0.100	1.45	47.0	376.0	470.0	-10~+10	-10~+30	-10~+50	10	12	15
6.8	W	0.150	1.19	68.0	544.0	680.0	-10~+10	-10~+30	-10~+50	10	12	15
6.8	W	0.100	1.46	68.0	544.0	680.0	-10~+10	-10~+30	-10~+50	10	12	15
10	T	0.150	1.69	100.0	800.0	1000.0	-10~+10	-10~+30	-10~+50	10	12	15
10	T	0.100	2.07	100.0	800.0	1000.0	-10~+10	-10~+30	-10~+50	10	12	15

❖ How to order

(GTCAP Part No. **CAK55H-476K016CT150**)

CAK55H	476	K	016	C	T	100
Type	Capacitance	Tolerance	Rated Voltage/DC	Case Size	Packaging	ESR
Low ESR Chip Tantalum Capacitor (MIL-standard)	476: 47X 10 ⁶ (pF) This is expressed in picofarad. The first two digits are the significant figures. The third is the number of zeros to follow.	J=+/-5% K=+/-10% M=+/-20%	16V=016 20V=020 25V=025 35V=035 50V=050 63V=063 75V=075 100V=100	A:3.2*1.6 B:3.5*2.8 C:6.0*3.2 D:7.3*4.3 E:7.3*4.3 V:7.3*6.1 W:7.3*6.1 T:11*12.5	T= Tape and reel B=bulk pack	025=0.025Ω 060=0.06Ω 100=0.1Ω 120=0.12Ω 150=0.15Ω 200=0.2Ω 250=0.25Ω 350=0.35Ω