

CA30 Series Epoxy end-filled ,Wet Tantalum Capacitor

Features

- Silver case encapsulation , Epoxy end-filled,Tubular, Axial-lead,With insulation sleeve, Heteropolarity ;
- Stable in Electrical Characteristics, High reliability, Long life-span, Low DF&DCL, Small in size for installation, Testing standard is above SJ/T10030-91Standard ;
- Applying in Telecommunications, Instruments and Meters, such Electrical Equipments with DC& Impulse Circuit;
- Operative Standard: QJ/PWV139-2003
- Ordering Information: GCA30-40V330μF-K:100 pcs



Technical Specifications

Technical Data	All technical data relate to an ambient temperature of +25°C
Temperature Range	-55C° ~ +125C°
Capacitance Tolerance	K : ±10% ; M : ±20%
Dimensions and Max Weight	See Figure 1 and Table 1
DC Leakage	$I_0 \leq 0.01C_R U_R (\mu A)$ or $0.5\mu A$ (which is greater) ;
Dissipation Factor(tgδ)	See Table 2

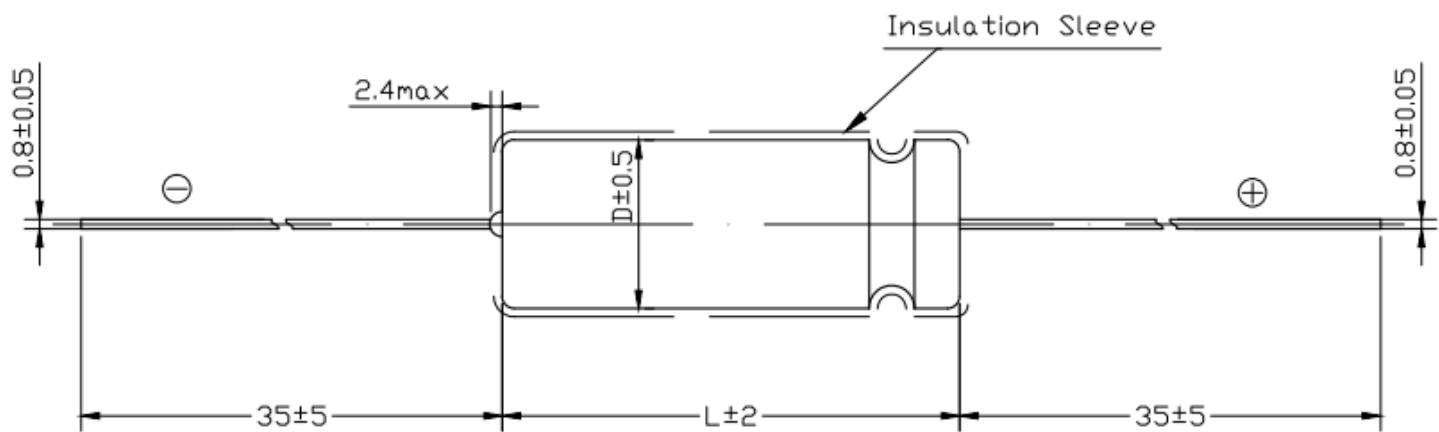


Figure 1

Table 1 Dimensions and Max Weight

Case Code	Max Weight(g)	Dimensions(with no Insulation Sleeve)	
		D±0.5 (mm)	L±2 (mm)
0	3	5	10
1	4	5	14
2	5	6	16
3	7	8	16
4	10	8	22
5	14	10	22
6	17	10	25
7	20	10	30
8	23	10	33

P.S . 1 With thermoplasticity-insulation sleeve, D will be 0.4mm more at most, and L will be 1.6mm more at most.



Table 2 Standard Ratings

Rated Voltage	Category Voltage	Case Code	Cap @100Hz	Max.DF @100Hz	Max.ESR @100kHz
V	V		μF	%	μΩ
6.3	4	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	500
		0	6.8	8	350
		0	10.0	8	260
		0	15.0	10	200
		0	22.0	10	180
		0	33.0	12	125
		0	47.0	15	125
		0	68.0	18	125
		0	100.0	20	100
		1	150.0	30	80
		1	220.0	40	70
		2	330.0	40	60
		2	470.0	50	50
		3	680.0	50	35
		3	1000.0	60	25
		4	1200.0	60	25
		4	1500.0	60	20
		5	2200.0	70	20
		6	3300.0	80	15
10	6.3	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	500
		0	6.8	8	350
		0	10.0	8	250
		0	15.0	10	200
		0	22.0	10	175
		0	33.0	12	125
		0	47.0	15	100
		0	68.0	18	80
		0	100.0	20	60
		1	150.0	30	55
		2	220.0	40	45
		2	330.0	45	40
		3	470.0	50	35
		3	680.0	50	30
		4	1000.0	50	25
		4	1200.0	60	25
		5	1500.0	60	20
		6	2200.0	70	20
16(15)	10	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	500
		0	6.8	8	300
16(15)	10	0	10.0	8	260
		0	15.0	10	180
		0	22.0	10	150
		0	33.0	12	110
		0	47.0	12	90
		0	68.0	18	80
		1	100.0	20	70
		2	150.0	30	60
		2	220.0	40	55
		3	330.0	40	45
		4	470.0	40	40
		5	680.0	45	35
		6	1000.0	50	30
		6	1200.0	50	25
		7	1500.0	60	20
25	16	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	500
		0	6.8	8	300
		0	10.0	8	260
		0	15.0	10	175
		0	22.0	10	150
		0	33.0	12	110
		0	47.0	12	80
		1	68.0	20	75
		2	100.0	20	70
		3	150.0	25	60
		3	220.0	30	55
		4	330.0	30	45
		5	470.0	40	40
		6	680.0	40	35
		7	1000.0	40	30
		7	1200.0	50	25
		8	1500.0	60	20
40	25	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	450
		0	6.8	8	350
		0	10.0	8	260
		0	15.0	10	175
		0	22.0	12	140
		1	33.0	12	110
		2	47.0	15	80
		2	68.0	15	75
		2	100.0	20	65

P.S. : 1.Please do not use multimeter through the measuring procedures.
2.Capacitance and DF measured at :100Hz, U__=2.2°-1.0V, U~=1.0°-0.5V, Frequency=100Hz.Test only applied in series equivalent circuit.
3.Voltage derating is applied at +125C°. (The DCL parameter should be read after 5minutes when it connected to the circuit) .
4.Special size and demand could consult with us.



Table 2 Standard Ratings

Rated Voltage	Category Voltage	Case Code	Cap @100Hz	Max.DF @100Hz	Max.ESR @100kHz
V	V		μF	%	μΩ
40	25	3	150.0	20	50
		4	220.0	25	45
		5	330.0	25	35
		5	470.0	30	35
		6	680.0	40	30
		7	1000.0	45	30
		8	1200.0	50	25
50	30	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	500
		0	6.8	8	350
		0	10.0	8	260
		0	15.0	10	175
		1	22.0	12	150
		2	33.0	12	110
		2	47.0	15	80
		3	68.0	15	75
		3	100.0	20	65
		4	150.0	20	50
		4	220.0	25	45
		5	0.3	25	45
		6	470.0	35	35
		7	680.0	40	30
		8	100.0	50	30
63	40	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	500
		0	6.8	8	350
		0	10.0	8	260
		1	15.0	10	175
		2	22.0	12	140
		2	33.0	12	100
		2	47.0	15	80
		3	68.0	15	65
		3	100.0	20	60
		4	150.0	20	50
		5	220.0	25	45
		6	330.0	25	35
		7	470.0	40	30
75(70)	50	0	1.0	6	1800
		0	1.5	6	1400

Rated Voltage	Category Voltage	Case Code	Cap @100Hz	Max.DF @100Hz	Max.ESR @100kHz
V	V		μF	%	μΩ
75(70)	50	0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	500
		1	6.8	8	350
		1	10.0	8	260
		2	15.0	10	175
		2	22.0	12	150
		3	33.0	12	110
		3	47.0	15	80
		4	68.0	15	70
		4	100.0	20	60
		5	150.0	20	50
		6	220.0	25	45
		7	330.0	25	35
100(90)	63	0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		0	4.7	6	500
		1	6.8	8	350
		1	10.0	8	260
		2	15.0	10	175
		2	22.0	10	150
		3	33.0	15	100
		3	47.0	15	70
		4	68.0	15	65
		5	100.0	20	60
		6	150.0	20	50
		7	220.0	20	40
125	75	0	0.5	6	4500
		0	0.7	6	3000
		0	1.0	6	1800
		0	1.5	6	1400
		0	2.2	6	1100
		0	3.3	6	700
		1	4.7	6	500
		1	6.8	8	350
		2	10.0	10	260
		2	15.0	10	175
		3	22.0	15	150
		3	33.0	15	120
		4	47.0	15	90
		5	68.0	15	70
		6	100.0	15	50
		7	150.0	20	45

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