Features and Applications

1. Silver cased. Half-sealed. Axial lead. Tubular. Insulating Sleeve. Polar Capacitors.
2. Excellent and stable electricity performance. High reliability. Low dissipation factor and DC leakage current. Long life. Small size, easy to mount. Equal to Vishay type CL64/65.
3. Suitable for high-request military and consumer electronic equipment such as communication equipment, instruments, astronavigation equipment, etc.

Performance and Characteristics

Operating Temperature：-55℃ to +85℃.（To +125℃ with voltage derating.）
Rated Voltage, Derating Voltage: See table 2.
Capacitance Tolerance：At 100Hz,+25℃，±10%；±20% standard. ±5%, special order.
DC Leakage Current at 25℃：$DCL_{Max} \leqslant 0.001 C_R U_R$（μA）or 1μA（Whichever is greater）.
DC Leakage Current at 85℃, 125℃：$DCL_{Max} \leqslant 0.008 C_R U_R$（μA）or 8μA（Whichever is greater）.
Dissipation Factor（D.F）：At 100Hz, +25℃. D.F won't exceed the values in table 2.
Impedance（-55℃）：No more than maximum limits in table 2.
Dimensions and Weight(Max.)：See Outline drawings and table 1.

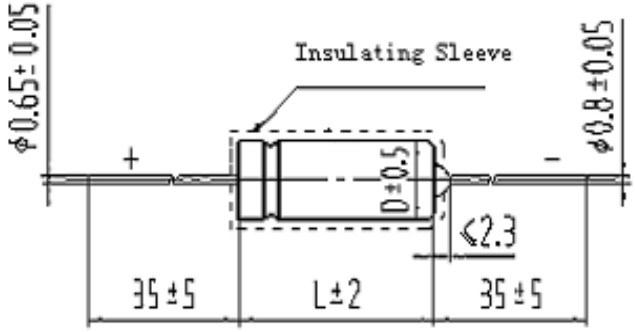

Table 1 Dimensions and Weight(Max.)

Case Code	Weight(Max.) g	D×L mm	
		D	L
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

Remarks：With insulating sleeves, D(Max.) will be increased 0.4mm, L(Max.) will be increased 1.6mm.

Table 2 Rating Voltage, Derating Voltage, Nominal Capacitance, Case Code

Rating Voltage (U_R) V	Derating Voltage (U_C) V	Nominal Capacitance (C_R) μF	Case Code	D.F(%) 25℃ 85℃ 125℃	Impedance -55℃ 100Hz Ω
6.3	4	1.0	0	6	1800
		1.5	0	6	1400
		2.2	0	6	1100
		3.3	0	6	700
		4.7	0	6	500
		6.8	0	8	350
		10	0	8	260
		15	0	10	200
		22	0	10	180
		33	0	12	125
		47	0	15	125
		68	0	18	125
		100	0	20	100
		150	1	30	80
		220	1	40	70
		330	2	40	60
		470	2	50	50
		680	3	50	35
		1000	3	60	25
		1200	4	60	25
		1500	4	60	20
		2200	5	70	20
10	6.3	1.0	0	6	1800
		1.5	0	6	1400
		2.2	0	6	1100
		3.3	0	6	700
		4.7	0	6	500
		6.8	0	8	350
		10	0	8	250
		15	0	10	200
		22	0	10	175
		33	0	12	125
		47	0	15	100
		68	0	18	80
		100	0	20	60
		150	1	30	55
		220	2	40	45
		330	2	45	40
		470	3	50	35
		680	3	50	30
		1000	4	50	25
		1200	4	60	25
		1500	5	60	20
		2200	6	70	20

Table 2(continues)

Rating Voltage (U_R) V	Derating Voltage (U_C) V	Nominal Capacitance (C_R) μF	Case Code	D.F(%) 25℃ 85℃ 125℃	Impedance -55℃ 100Hz Ω
16(15)	10	1.0	0	6	1800
		1.5	0	6	1400
		2.2	0	6	1100
		3.3	0	6	700
		4.7	0	6	500
		6.8	0	8	350
		10	0	8	260
		15	0	10	180
		22	0	10	150
		33	0	12	110
		47	0	12	90
		68	0	18	80
		100	1	20	70
		150	2	30	60
		220	2	40	55
		330	3	40	45
		470	4	40	40
		680	5	45	35
		1000	6	50	30
		1200	6	50	25
		1500	7	60	20
25	16	1.0	0	6	1800
		1.5	0	6	1400
		2.2	0	6	1100
		3.3	0	6	700
		4.7	0	6	500
		6.8	0	8	300
		10	0	8	260
		15	0	10	175
		22	0	10	150
		33	0	12	110
		47	0	12	80
		68	1	20	75
		100	2	20	70
		150	3	25	60
		220	3	30	55
		330	4	30	45
		470	5	40	40
		680	6	40	35
		1000	7	40	30
		1200	7	50	25

Table 2(continues)

Rating Voltage (U_R) V	Derating Voltage (U_C) V	Nominal Capacitance (C_R) μF	Case Code	D.F(%) 25℃ 85℃ 125℃	Impedance -55℃ 100Hz Ω
40	25	1.0	0	6	1800
		1.5	0	6	1400
		2.2	0	6	1100
		3.3	0	6	700
		4.7	0	6	450
		6.8	0	8	350
		10	0	8	260
		15	0	10	175
		22	0	12	140
		33	1	12	110
		47	2	15	80
		68	2	15	75
		100	2	20	65
		150	3	20	50
		220	4	25	45
		330	5	25	35
		470	5	30	35
		680	6	40	30
		1000	7	45	30
		1200	8	50	25
50	30	1.0	0	6	1800
		1.5	0	6	1400
		2.2	0	6	1100
		3.3	0	6	700
		4.7	0	6	500
		6.8	0	8	350
		10	0	8	260
		15	0	10	175
		22	1	12	150
		33	2	12	110
		47	2	15	80
		68	3	15	75
		100	3	20	65
		150	4	20	50
		220	4	25	45
		330	5	25	45
		470	6	35	35
		680	7	40	30
		1000	8	50	30

Table 2(continues)

Rating Voltage (U_R) V	Derating Voltage (U_C) V	Nominal Capacitance (C_R) μF	Case Code	D.F(%) 25℃ 85℃ 125℃	Impedance -55℃ 100Hz Ω
63	40	1.0	0	6	1800
		1.5	0	6	1400
		2.2	0	6	1100
		3.3	0	6	700
		4.7	0	6	500
		6.8	0	8	350
		10	0	8	260
		15	1	10	175
		22	2	12	140
		33	2	12	100
		47	2	15	80
		68	3	15	65
		100	3	20	60
		150	4	20	50
		220	5	25	45
		330	6	25	35
		470	7	40	30
		680	8	50	30
75(70)	50	1.0	0	6	1800
		1.5	0	6	1400
		2.2	0	6	1100
		3.3	0	6	700
		4.7	0	6	500
		6.8	1	8	350
		10	1	8	260
		15	2	10	175
		22	2	12	150
		33	3	12	110
		47	3	15	80
		68	4	15	70
		100	4	20	60
		150	5	20	50
		220	6	25	45
		330	7	25	35

Table 2(continues)

Rating Voltage (U_R) V	Derating Voltage (U_C) V	Nominal Capacitance (C_R) μF	Case Code	D.F(%) 25℃ 85℃ 125℃	Impedance -55℃ 100Hz Ω
100(90)	63	1.0	0	6	1800
		1.5	0	6	1400
		2.2	0	6	1100
		3.3	0	6	700
		4.7	0	6	500
		6.8	1	8	350
		10	1	8	260
		15	2	10	175
		22	2	10	150
		33	3	15	100
		47	4	15	70
		68	4	15	65
		100	5	20	60
		150	6	20	50
		220	7	20	40
		330	8	25	35
125	75	0.47	0	6	4500
		0.68	0	6	3000
		1.0	0	6	1800
		1.5	0	6	1400
		2.2	0	6	1100
		3.3	0	6	700
		4.7	1	6	500
		6.8	1	8	350
		10	2	10	260
		15	2	10	175
		22	3	15	150
		33	3	15	120
		47	4	15	90
		68	5	15	70
		100	6	15	50
		150	7	20	45

Remarks：1）Test Voltage：U-=$2.2^{0}_{-1.0}$V；U~=$1.0^{0}_{-0.5}$V (RMS). Test frequency：100Hz.

2）To 125℃ with voltage derating.

3) Please give clear indication in order if you don't need the structure of embedding terminal welded.