



CONDUCTIVE POLYMER SOLID CAPACITORS

東信工業株式会社

●導電性高分子固体コンデンサ

PVE

NEW

JIS C 5101

CE-32

■特徴

- ・105°C、15000時間保証品
- ・超低ESRチップ形固体コンデンサ

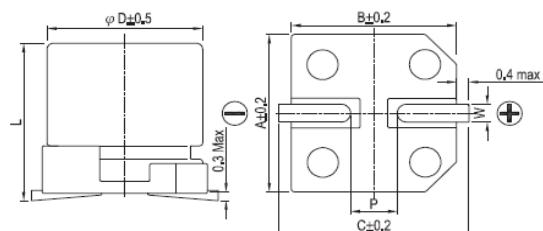
■性能/PERFORMANCE SPECIFICATIONS

カテゴリー/温度範囲	CATEGORY TEMPERATURE RANGE	-55°C ~ +105°C
標準静電容量許容差	STANDARD CAPACITANCE TOLERANCE	±20% (120Hz, 20°C)
漏れ電流（最大値）	LEAKAGE CURRENT (MAX.VALUE)	Rated voltage applied, after 2 minutes at 20°C. See Standard Ratings
損失角の正接: tan δ (最大値)	DISSIPATION FACTOR: tan δ (MAX.VALUE)	See Standard Ratings (120Hz, 20°C)
ESR	ESR	See Standard Ratings (100kHz~300kHz, 20°C)
耐久性 105°C、15,000時間 定格電圧印加	ENDURANCE APPLICATION OF RATED VOLTAGE, AT 105°C FOR 15,000 hours.	Capacitance Change : Within ±20% of the initial value Dissipation Factor (tan δ) Less than 150% of specified value ESR : Less than 150% of specified value Leakage Current : Less than the initial specified value
高温恒湿 (定常) 60°C, 90~95%, 1000時間	DAMP HEAT (STEADY STATE) 60°C, 90~95%, 1000 hours	Capacitance Change : Within ±20% of the initial value Dissipation Factor (tan δ) Less than 150% of specified value ESR : Less than 150% of specified value Leakage Current : Less than the initial specified value *Leakage current should be tested after treatment*1.

*1: For any doubt measured values, measure the leakage current again after the following voltage treatment.

Voltage treatment: DC rated voltage is applied to the capacitors for 2 hours at 105°C.

■寸法図/DIAGRAM OF DIMENSIONS



Size Code	φ D	L	A ± 0.2	B ± 0.2	C ± 0.2	W	P ± 0.2
D58	5	5.8 ± 0.3	5.3	5.3	5.9	0.5 ~ 0.8	1.5
E58	6.3	5.8 ± 0.3	6.6	6.6	7.2	0.5 ~ 0.8	2.0
E77	6.3	7.7 ± 0.3	6.6	6.6	7.2	0.5 ~ 0.8	2.0
F67	8	6.7 ± 0.3	8.3	8.3	9.0	0.7 ~ 1.1	3.1
F77	8	7.7 ± 0.3	8.3	8.3	9.0	0.7 ~ 1.1	3.1
F10	8	10.0 ± 0.5	8.3	8.3	9.0	0.7 ~ 1.1	3.1
F12	8	12.0 ± 0.5	8.3	8.3	9.0	0.7 ~ 1.1	3.1
G77	10	7.7 ± 0.3	10.3	10.3	11.0	0.7 ~ 1.3	4.7
G10	10	10.0 ± 0.5	10.3	10.3	11.0	0.7 ~ 1.3	4.7
G13	10	12.6 ± 0.1 ~ -0.4	10.3	10.3	11.0	0.7 ~ 1.3	4.7

■標準品一覧表 / Standard Ratings

W.V. (V)	Cap. (μF)	Size (φ D × L) (mm)	tan δ (120Hz, 20°C)	Leakage Current (μA)	ESR [100~300kHz, 20°C] (mΩ)	Ripple Current [100kHz, 105°C] (mA)
2.5 (0E)	180	5 × 5.8	0.12	90	21	2,670
	390	6.3 × 5.8	0.12	195	15	3,160
	470	6.3 × 7.7	0.12	235	13	3,600
	560	6.3 × 7.7	0.12	280	13	3,600
	560	8 × 6.7	0.12	280	13	4,100
	680	8 × 6.7	0.12	340	13	4,100
	820	8 × 7.7	0.12	410	12	4,260
	820	8 × 12	0.12	410	9	5,400
	1,200	10 × 7.7	0.12	600	13	4,450
	1,500	8 × 10	0.12	750	10	5,220
	1,500	8 × 12	0.12	750	9	5,400
	2,200	10 × 10	0.12	1,100	10	5,500
	2,700	10 × 12.6	0.12	1,350	9	5,600
	100	5 × 5.8	0.12	80	22	2,610
4 (0G)	150	5 × 5.8	0.12	120	22	2,610
	270	6.3 × 5.8	0.12	216	15	3,160
	330	6.3 × 5.8	0.12	264	15	3,160
	390	6.3 × 7.7	0.12	312	14	3,470
	470	8 × 6.7	0.12	376	14	3,950
	560	8 × 6.7	0.12	448	14	3,950
	680	8 × 7.7	0.12	544	13	3,950
	1,000	8 × 10	0.12	800	10	5,220
	1,000	10 × 7.7	0.12	800	14	4,300
	1,200	8 × 12	0.12	960	9	5,400
	1,200	10 × 10	0.12	960	10	5,500
	1,500	10 × 10	0.12	1,200	10	5,500
	1,800	10 × 10	0.12	1,440	10	5,500
	1,800	10 × 12.6	0.12	1,440	9	5,600
6.3 (0J)	100	5 × 5.8	0.12	126	24	2,500
	120	5 × 5.8	0.12	151	24	2,500
	220	6.3 × 5.8	0.12	277	15	3,160
	270	6.3 × 7.7	0.12	340	14	3,470
	330	6.3 × 7.7	0.12	415	14	3,470
	330	8 × 6.7	0.12	415	14	3,950
	390	8 × 6.7	0.12	491	14	3,950
	470	8 × 7.7	0.12	592	13	3,950
	820	8 × 10	0.12	1,033	12	4,770
	820	8 × 12	0.12	1,033	10	5,150
	820	10 × 7.7	0.12	1,033	14	4,300

●CONDUCTIVE POLYMER SOLID CAPACITORS

TYPE PVE

JIS C 5101

CE-32

■ FEATURES

- It's guaranteed for 105°C 15000 hours.
- Ultra Low ESR, solid capacitors of SMD type

W.V. (V)	Cap. (μF)	Size (φ D × L) (mm)	tan δ (120Hz, 20°C)	Leakage Current (μA)	ESR [100~300kHz, 20°C] (mΩ)	Ripple Current [100kHz, 105°C] (mA)
6.3 (0J)	1,200	10 × 10	0.12	1,510	12	5,025
	1,500	10 × 10	0.12	1,890	12	5,025
	1,500	10 × 12.6	0.12	1,890	10	5,500
	47	5 × 5.8	0.12	94	28	2,310
	56	5 × 5.8	0.12	112	28	2,310
	68	5 × 5.8	0.12	136	28	2,310
	120	6.3 × 5.8	0.12	240	25	2,530
	150	6.3 × 7.7	0.12	300	21	2,880
	220	8 × 6.7	0.12	440	21	3,220
	270	8 × 6.7	0.12	540	21	3,220
	390	8 × 10	0.12	780	17	4,000
	470	10 × 7.7	0.12	940	19	3,800
	680	10 × 10	0.12	1,360	13	4,820
	33	5 × 5.8	0.12	105	35	2,070
16 (1C)	39	5 × 5.8	0.12	124	35	2,070
	68	6.3 × 5.8	0.12	217	28	2,390
	82	6.3 × 7.7	0.12	262	24	2,700
	100	6.3 × 7.7	0.12	320	24	2,700
	100	8 × 6.7	0.12	320	24	3,010
	120	8 × 6.7	0.12	384	24	3,010
	150	8 × 7.7	0.12	480	22	3,150
	180	8 × 10	0.12	576	18	3,890
	220	8 × 10	0.12	704	18	3,890
	220	10 × 7.7	0.12	704	22	3,450
	330	10 × 10	0.12	1,050	16	4,350

■リップル電流周波数補正係数 / Frequency Multiplier for Ripple Current

Frequency: f (Hz)	120 ≤ f < 1k	1k ≤ f < 10k	10k ≤ f < 100k	100k ≤ f < 500k
Multiplier	0.05	0.30	0.70	1.00

■品番ご指定法/HOW TO SPECIFY NUMBER

OG PVE 101 M L □□□

サイズ記号 / Case size Code

静電容量許容差 / Capacitance Tolerance

静電容量記号 / Capacitance Symbol

シリーズ名 / Series Name

定格電圧 / Rated Voltage