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

PSP JIS C 5101 CE-32

●CONDUCTIVE POLYMER SOLID CAPACITORS

TYPE PSP JIS C 5101 CE-32

■ 特 徴

・105℃、2000時間保証品
・低ESR チップ形固体コンデンサ

■ FEATURES

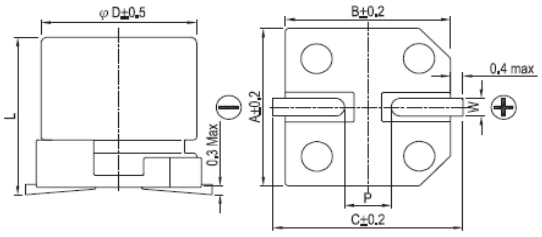
・It's guaranteed for 105℃ 2000 hours.
・Low ESR, solid capacitors of SMD type

■ 性 能/PERFORMANCE SPECIFICATIONS

カテゴリー温度範囲	CATEGORY TEMPERATURE RANGE	−55℃ ～ +105℃
標準静電容量許容差	STANDARD CAPACITANCE TOLERANCE	±20% (120Hz, 20℃)
漏れ電流 (最大値)	LEAKAGE CURRENT (MAX.VALUE)	Rated voltage applied, after 2 minutes at 20℃. See Standard Ratings
損失角の正接: tanδ (最大値)	DISSIPASION FACTOR: tanδ (MAX.VALUE)	See Standard Ratings (120Hz, 20℃)
ESR	ESR	See Standard Ratings (100kHz～300kHz, 20℃)
耐 久 性 105℃, 2000時間 定格電圧印加	ENDURANCE APPLICATION OF RATED VOLTAGE, AT 105℃ FOR 2000 hours.	Capacitance Change : Within ±20% of the initial value Dissipation Factor (tanδ) 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℃, 90～95%, 1000時間	DAMP HEAT (STEADY STATE) 60℃, 90～95%, 1000 hours	Capacitance Change : Within ±20% of the initial value Dissipation Factor (tanδ) Less than 150% of specified value ESR : Less than 150% of specified value Leakage Current : Less than the initial specified value *Leakage curent 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℃.

■ 寸法図/DIAGRAM OF DIMENSIONS



(mm)

Size Code	φD	L	A±0.2	B±0.2	C±0.2	W	P±0.2
D57	5	5.7±0.3	5.3	5.3	5.9	0.5～0.8	1.4
E43	6.3	4.3+0.4/−0.3	6.6	6.6	7.3	0.5～0.8	2.1
E57	6.3	5.7±0.3	6.6	6.6	7.3	0.5～0.8	2.1
F67	8	6.7±0.3	8.3	8.3	9.0	0.7～1.1	3.2
F97	8	9.7±0.5	8.3	8.3	9.0	0.7～1.1	3.2
G77	10	7.7±0.5	10.3	10.3	11.0	0.7～1.1	4.6
G12	10	12.4±0.5	10.3	10.3	11.0	0.7～1.1	4.6

■ 標準品一覧表 / Standard Ratings

Rated Voltage (V)	Surge Voltage (V)	Capacitance (μF)	Case Size φD×L (mm)	tanδ (120Hz, 20℃)	Leakage Current (μA)	ESR 100～300kHz (mΩ)	Ripple Current 105℃,100kHz (mA)	Part Number
2.5 (0E)	2.8	180	5×5.7	0.12	300	21	2,670	PSP0E181MKD57
		330	5×5.7	0.12	300	15	3,150	PSP0E331MKD57
		330	6.3×4.3	0.12	413	17	3,500	PSP0E331MKE43
		330	6.3×4.3	0.12	700	12	3,500	PSP0E331MKE43E
		390	6.3×5.7	0.12	344	15	3,160	PSP0E391MKE57
		560	6.3×5.7	0.12	420	16	3,600	PSP0E561MKE57
		560	6.3×5.7	0.12	500	10	3,870	PSP0E561MKE57E
		680	8×6.7	0.12	510	13	4,100	PSP0E681MKF67
		2,700	10×12.4	0.12	2025	12	5,070	PSP0E272MKG12
4 (0G)	4.6	330	6.3×5.7	0.12	396	15	3,160	PSP0G331MKE57
		1,500	8×12.7	0.12	1800	12	4,700	PSP0G152MKF13
6.3 (0J)	7.2	100	5×5.7	0.12	300	24	2,500	PSP0J101MKD57
		120	5×5.7	0.12	300	24	2,500	PSP0J121MKE43
		220	6.3×4.3	0.12	693	17	3,160	PSP0J221MKE43
		220	6.3×5.7	0.12	416	15	3,160	PSP0J221MKE57
		330	6.3×5.7	0.12	624	17	3,600	PSP0J331MKE57
		470	8×12.7	0.12	888	15	3,950	PSP0J471MKF13
10 (1A)	11.5	330	8×12.7	0.12	990	17	3,950	PSP1A331MKF13
16 (1C)	18.4	100	6.3×5.7	0.12	320	24	2,490	PSP1C101MKE57
		180	8×9.7	0.12	576	16	3,890	PSP1C181MKF97
		270	8×9.7	0.12	864	16	3,890	PSP1C271MKF97
25 (1E)	28.7	47	6.3×5.7	0.12	588	30	2,500	PSP1E470MKE57
		100	8×9.7	0.12	500	24	3,300	PSP1E101MKF97
		120	8×9.7	0.12	600	22	3,500	PSP1E121MKF97