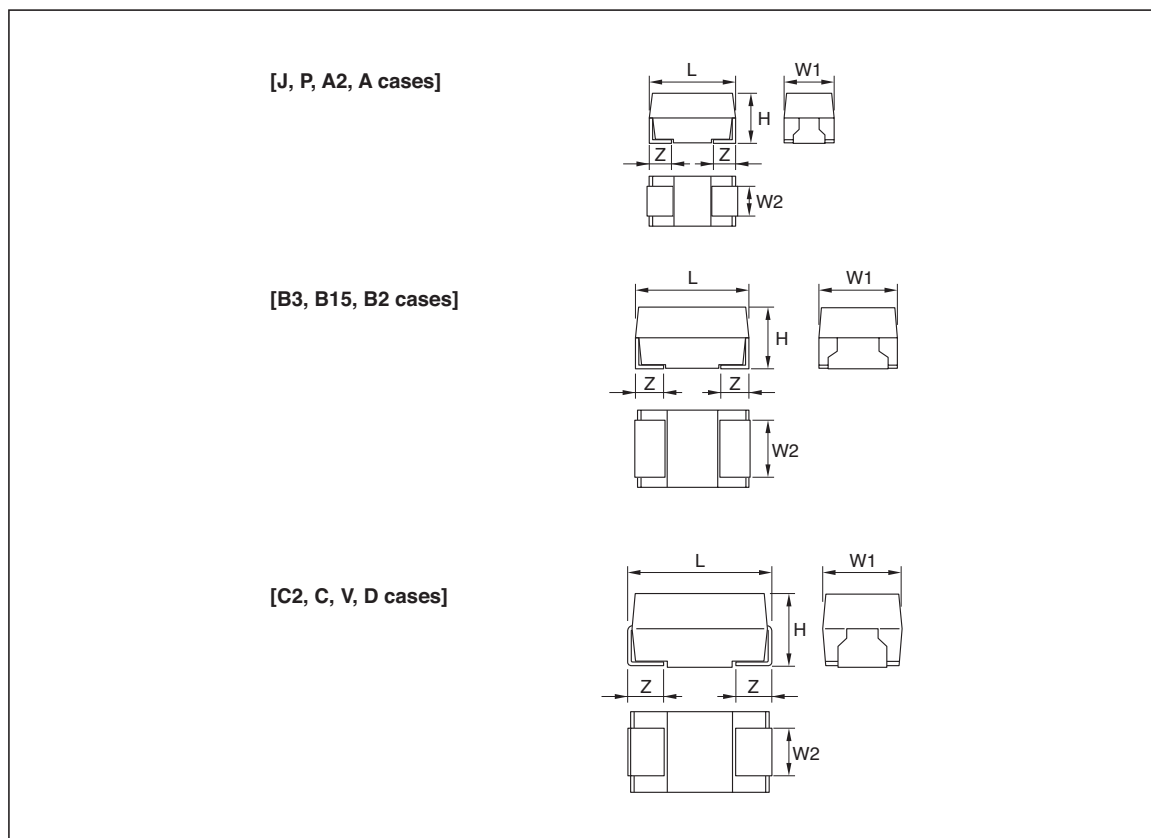


■ FEATURES

- Lead-free Type. RoHS Compliant.
- Ultra-Low ESR.
- Same Dimension as E/SV series.
- Halogen free, Antimony free and Red Phosphorous free resin is applied to the exterior mold resin.

■ DIMENSIONS [mm]



(Unit: mm)

Case code	EIA code	L	W ¹	W ²	H	Z
J	—	1.6 ± 0.1	0.8 ± 0.1	0.6 ± 0.1	0.8 ± 0.1	0.3 ± 0.15
P	2012	2.0 ± 0.2	1.25 ± 0.2	0.9 ± 0.1	1.1 ± 0.1	0.5 ± 0.1
A2(U)	3216L	3.2 ± 0.2	1.6 ± 0.2	1.2 ± 0.1	1.1 ± 0.1	0.8 ± 0.2
A	3216	3.2 ± 0.2	1.6 ± 0.2	1.2 ± 0.1	1.6 ± 0.2	0.8 ± 0.2
B3(W)	3528L	3.5 ± 0.2	2.8 ± 0.2	2.2 ± 0.1	1.1 ± 0.1	0.8 ± 0.2
B15	—	3.5 ± 0.2	2.8 ± 0.2	2.2 ± 0.1	1.4 ± 0.1	0.8 ± 0.2
B2(S)	3528	3.5 ± 0.2	2.8 ± 0.2	2.2 ± 0.1	1.9 ± 0.1	0.8 ± 0.2
C2	—	6.0 ± 0.2	3.2 ± 0.2	2.2 ± 0.1	1.4 ± 0.1	1.3 ± 0.2
C	6032	6.0 ± 0.2	3.2 ± 0.2	2.2 ± 0.1	2.5 ± 0.2	1.3 ± 0.2
V	7343L	7.3 ± 0.2	4.3 ± 0.2	2.4 ± 0.1	1.9 ± 0.1	1.3 ± 0.2
D	7343	7.3 ± 0.2	4.3 ± 0.2	2.4 ± 0.1	2.8 ± 0.2	1.3 ± 0.2



STANDARD C-V VALUE REFERENCE BY CASE CODE

UR		UR : Rated Voltage						
		2.5 V	4V	6.3V	10V	16V	20V	25V
μF		0E	0G	0J	1A	1C	1D	1E
1.0	105							
2.2	225			J	J			
3.3	335			J, P	J, A	A		
4.7	475			J, P	J, A2, A	B2		
6.8	685			J, P, A	A2, A, B2	B2		B2
10	106		J, P, A	P, A2, A	P, A2, A, B2	B2		
15	156			A2, A, B2	A, B2, C			V
22	226	P	P, A2, B2	A2, A, B3, B2	A, B3, B2, C		V	V
33	336	A2	A2, A	A, B3, B2	A, B3, B2, C2, C	V	V	D
47	476	A2	A, B3	A, B3, B2, C2, C	B3, B2, C2, C, V, D	V, D	V, D	
68	686		A, C2, C	B3, B2, C2, C	C2, C, V, D	V, D		
100	107	A, B3	A, B3, B2, C2	A, B2, C2, C, V	B2, C2, C, V, D			
150	157		B2, C	B15, B2, C2, C, V, D	C, V, D			
220	227	A, B2	B2, C, V, D	B2, V, D	D			
330	337	B2, C, V	C, V, D	V, D				
470	477	V	D					
680	687	D	D					
1000	108	D						

Conductive Polymer type

PART NUMBER SYSTEM

[Bulk]

PSL D 0J 337 M (25)

PS/L Series

Case code

DC rated voltage in volts
 (0E: 2.5 V, 0G: 4 V, 0J: 6.3 V,
 1A: 10 V, 1C: 16 V, 1D: 20 V, 1E: 25 V)

Capacitance (pF)
 (First two digits represent significant figures.
 Third digit specifies number of zeros to follow.)

Capacitance Tolerance
 (M: $\pm 20\%$)

Special numbering for ESR
 (ex. (25) shows 25 m Ω)

[Tape and Reel]

TE PSLD0J337M 12 R

Tape and Reel
 (TE: 180mm ϕ reel)

Part number of Bulk

Tape width
 (8: 8 mm (J, P, A2, A, B3, B15, B2 case)
 12: 12 mm (C2, C, V, D cases))

Packing Orientation
 (R: Cathode on the Side of Sprocket Hole)

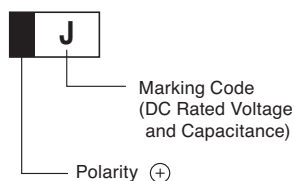
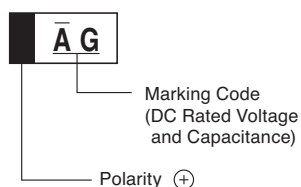
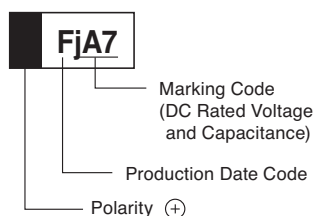
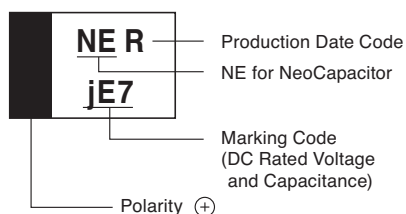
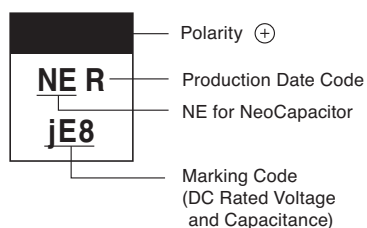
TL PSLD0J337M 12 R E

Tape and Reel
 (TL: 330mm ϕ reel)

Indicates 330mm ϕ reel



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[J case] (ex. 4.7 μF / 6.3 V)[P case] (ex. 10 μF / 4 V)[A2, A cases] (ex. 10 μF / 6.3 V)[B3, B15, B2 cases] (ex. 15 μF / 6.3 V)[C2, C, V, D cases] (ex. 150 μF / 6.3 V)

[J case Marking Code]

U_R : Rated Voltage

μF \ U _R	4V	6.3V	10V
2.2		r	<
3.3		7	A
4.7		J	>
6.8		2	
10	0		

[P case Marking Code]

μF \ U _R	2.5V	4V	6.3V	10V	16V
1.0					
2.2					
3.3			NJ		
4.7			SJ		
6.8			WJ		
10		AG	AJ	AA	
15					
22	Je	JG			

[A2, A, B3, B15, B2, C2, C, V, D cases Marking Code]

μF \ U _R	2.5V	4V	6.3V	10V	16V	20V	25V
	e	g	j	A	C	D	E
3.3	N6			AN6	CN6		
4.7	S6			AS6	CS6		
6.8	W6		jW6	AW6	CW6		EW6
10	A7	gA7	jA7	AA7	CA7		
15	E7		jE7	AE7			EE7
22	J7	gJ7	jJ7	AJ7		DJ7	EJ7
33	N7	eN7	gN7	jN7	AN7	CN7	DN7
47	S7	eS7	gS7	jS7	AS7	CS7	DS7
68	W7		gW7	jW7	AW7	CW7	
100	A8	eA8	gA8	jA8	AA8		
150	E8		gE8	jE8	AE8		
220	J8	eJ8	gJ8	jJ8	AJ8		
330	N8	eN8	gN8	jN8			
470	S8	eS8	gS8				
680	W8	eW8	gW8				
1000	A9	eA9					

[A2, A, B3, B15, B2, C2, C, V, D cases production date code]

Y \ M	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
2011	a	b	c	d	e	f	g	h	j	k	l	m
2012	n	p	q	r	s	t	u	v	w	x	y	z
2013	A	B	C	D	E	F	G	H	J	K	L	M
2014	N	P	Q	R	S	T	U	V	W	X	Y	Z

NOTE: Production date code will resume beginning in 2015.



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■ PERFORMANCE CHARACTERISTICS

Test Conditions : Conform to IEC 60384-1

ITEM		PERFORMANCE							TEST CONDITION
Operating temperature		-55°C to +105°C							Derated voltage at 85°C at more
Rated voltage (V.dc)		2.5V	4V	6.3V	10V	16V	20V	25V	at 85°C
Derated voltage (V.dc)		2V	3.3V	5V	8V	12.8V	16V	20V	at 105°C
Surge voltage (V.dc)		3.3V	5.2V	8V	13V	20V	23V	29V	Rated voltage 2.5 to 16V: at 85°C Rated voltage over 20V: at 15 to 35°C
Capacitance		2.2 μF to 1000 μF							at 120 Hz
Capacitance tolerance		±20%							
DC Leakage Current (L.C)		0.1C • V(μA) or 3μA (J case:10μA) , whichever is greater							Voltage: Rated voltage for 5min.
Dissipation Factor		Refer to Standard Ratings							at 120 Hz
Equivalent Series Resistance		Refer to Standard Ratings							at 100 kHz or 300 kHz refer to STANDARD RATINGS
		Capacitance change		DF(%)		L.C			
Surge voltage test		Refer to Standard Ratings		Lower than initial specification		Lower than initial specification		Temperature : 85±2°C Applied voltage : Surge voltage Series resistance : 33 ohm Duration of surge : 30±5 sec Time between surge : 5.5min. Number of cycle : 1000	
Characteristic at high and low temperature	-55°C	from 0 to -20%		Lower than initial specification		-----		Step 1: 25±2°C Step 2: -55.3°C	
	+105°C	from 0 to +50%		Lower than 1.5 times initial specification		Lower than 10 times initial specification		Step 3: 25±2°C Step 4: 105.3°C	
Rapid change of temperature		Refer to Standard Ratings		Lower than initial specification		Lower than initial specification		Parts shall be temperature cycled over a temperature range of -55 to +105°C, five times continuously as follow. Step 1: -55.3°C, 30±3min. Step 2: room temp. , 10 to 15min. Step 3: 105.3°C, 30±3min. Step 4: room temp, 10 to 15min.	
Resistance to Soldering heat		Refer to Standard Ratings		Lower than 1.3 times initial specification		Lower than initial specification		Reflow soldering method 240°C, 10 sec.Max. *1	
Damp heat		from +30% to -20%		Lower than 1.5 times initial specification		Lower than initial specification		at 40°C at 90 to 95% RH 500 hour	
Endurance I		Refer to Standard Ratings		Lower than 1.5 times initial specification		Lower than initial specification		at 85°C at rated voltage 1000 hour	
Endurance II		Refer to Standard Ratings		Lower than 3 times initial specification		Lower than initial specification		at 105°C at Derated voltage 1000 hour	
Failure Rate		λ0 = 1% / 1000 hour							at 85°C: rated voltage at 105°C: derated voltage 1000 hour
Terminal Strength		Visual: There shall be no evidence of mechanical damage							Strength : 4.9N Time : 10±0.5sec. (two directions)
Permissible ripple current		Refer to Ratings Table							at 100 kHz or 300 kHz refer to STANDARD RATINGS
Others		Conform to IEC60384-1							Conform to IEC60384-1

*1: Refer to the page 52 "NOTES ON USING NeoCapacitor/2. Mounting/(1) Reflow soldering/(b) Temperature and time"

Reference : Derated voltage (85 to 105°C)

$$[U_T] = [U_R] - \frac{[U_R] - [U_C]}{20} (T - 85)$$

[U_T] : Derated voltage at operating temperature[U_R] : Rated voltage[U_C] : Derated voltage at 105°C

T : Operating temperature



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■ STANDARD RATINGS

Rated Voltage (V)	Capacitance (μF)	Case Code	Part Number (Bulk)	Leakage Current (μA) Max	DF (%) Max	ESR (mΩ) Max *1	Permissible Ripple Current (mA rms.) Max *1	DF (%) Max		Capacitance Change	
								-55°C	+105°C	at Surge Voltage at Resistance to Soldering Heat	at Endurance
2.5	22	P	PSLP0E226M	5.5	6	200	354	6	9	±20%	±20%
	33	A2	PSLA20E336M	8.3	6	150	632	6	9	±20%	±20%
	47	A2	PSLA20E476M	11.7	6	150	632	6	9	±20%	±20%
	100	A	PSLA0E107M	25	8	100	866	8	12	±20%	±20%
	100	A	PSLA0E107M(45)	25	8	45	1291	8	12	±20%	±20%
	100	A	PSLA0E107M(35)	25	8	35	1464	8	12	±20%	±20%
	100	B3	PSLB30E107M	25	8	70	1035	8	12	±20%	±20%
	220	A	PSLA0E227M(45)	55	8	45 ●	1291 ●	8	12	±20%	±20%
	220	A	PSLA0E227M(35)	55	8	35 ●	1464 ●	8	12	±20%	±20%
	220	A	PSLA0E227M(25)	55	8	25	1732	8	12	±20%	±20%
	220	B2	PSLB20E227M	55	8	45	1374	8	12	±20%	±20%
	220	B2	PSLB20E227M(35)	55	8	35	1558	8	12	±20%	±20%
	220	B2	PSLB20E227M(25)	55	8	25	1844	8	12	±20%	±20%
	220	B2	PSLB20E227M(21)	55	8	21	2012	8	12	±20%	±20%
	220	B2	PSLB20E227M(15)	55	8	15 ●	2380 ●	8	12	±20%	±20%
	330	B2	PSLB20E337M	82.5	8	45	1374	8	12	±20%	±20%
	330	B2	PSLB20E337M(35)	82.5	8	35	1558	8	12	±20%	±20%
	330	B2	PSLB20E337M(21)	82.5	8	21	2012	8	12	±20%	±20%
	330	B2	PSLB20E337M(15)	82.5	8	15 ●	2380 ●	8	12	±20%	±20%
	330	C	PSLC0E337M	82.5	10	55	1414	10	15	±20%	±20%
	330	C	PSLC0E337M(45)	82.5	10	45	1563	10	15	±20%	±20%
	330	C	PSLC0E337M(25)	82.5	10	25	2098	10	15	±20%	±20%
	330	C	PSLC0E337M(18)	82.5	10	18	2472	10	15	±20%	±20%
	330	V	PSLV0E337M	82.5	10	25	2236	10	15	±20%	±20%
	330	V	PSLV0E337M(15)	82.5	10	15	2887	10	15	±20%	±20%
	330	V	PSLV0E337M(12)	82.5	10	12	3227	10	15	±20%	±20%
	470	V	PSLV0E477M(15)	117.5	10	15	2887	10	15	±20%	±20%
	470	V	PSLV0E477M(12)	117.5	10	12	3227	10	15	±20%	±20%
	680	D	PSLD0E687M	170	10	25	2449	10	15	±20%	±20%
	680	D	PSLD0E687M(15)	170	10	15	3162	10	15	±20%	±20%
	680	D	PSLD0E687M(12)	170	10	12	3536	10	15	±20%	±20%
	1000	D	PSLD0E108M	250	10	25	2449	10	15	±20%	±20%
	1000	D	PSLD0E108M(15)	250	10	15	3162	10	15	±20%	±20%
4	10	J	PSLJ0G106M	10	4	300	183	4	6	±20%	±20%
	10	P	PSLP0G106M	4	6	200	354	6	9	±20%	±20%
	10	A	PSLA0G106M	4	6	200	612	6	9	±20%	±20%
	22	P	PSLP0G226M	8.8	6	200	354	6	9	±20%	±20%
	22	A2	PSLA20G226M	8.8	6	200	548	6	9	±20%	±20%
	22	B2	PSLB20G226M	8.8	8	150	753	8	12	±20%	±20%
	33	A2	PSLA20G336M	13.2	6	150	632	6	9	±20%	±20%
	33	A	PSLA0G336M	13.2	6	180	645	6	9	±20%	±20%
	47	A	PSLA0G476M	18.8	6	180	645	6	9	±20%	±20%
	47	B3	PSLB30G476M	18.8	8	70	1035	8	12	±20%	±20%
	68	A	PSLA0G686M	27.2	6	180	645	6	9	±20%	±20%
	68	C2	PSLC20G686M	27.2	8	55	1279	8	12	±20%	±20%
	68	C	PSLC0G686M	27.2	9	100	1049	9	14	±20%	±20%
	100	A	PSLA0G107M	40	8	100	866	8	12	±20%	±20%
	100	A	PSLA0G107M(45)	40	8	45	1291	8	12	±20%	±20%
	100	A	PSLA0G107M(35)	40	8	35	1464	8	12	±20%	±20%
	100	A	PSLA0G107M(25)	40	8	25	1732	8	12	±20%	±20%
	100	B3	PSLB30G107M	40	8	70	1035	8	12	±20%	±20%
	100	B2	PSLB20G107M	40	8	70	1102	8	12	±20%	±20%
	100	B2	PSLB20G107M(45)	40	8	45	1374	8	12	±20%	±20%
	100	B2	PSLB20G107M(35)	40	8	35	1558	8	12	±20%	±20%
	100	C2	PSLC20G107M	40	9	55	1279	9	14	±20%	±20%
	150	B2	PSLB20G157M	60	8	45	1374	8	12	±20%	±20%
	150	B2	PSLB20G157M(35)	60	8	35	1558	8	12	±20%	±20%
	150	B2	PSLB20G157M(25)	60	8	25	1844	8	12	±20%	±20%
	150	C	PSLC0G157M	60	9	100	1049	9	14	±20%	±20%
	220	B2	PSLB20G227M	88	8	45	1374	8	12	±20%	±20%
	220	B2	PSLB20G227M(35)	88	8	35	1558	8	12	±20%	±20%
	220	B2	PSLB20G227M(25)	88	8	25	1844	8	12	±20%	±20%
	220	B2	PSLB20G227M(15)	88	8	15	2380	8	12	±20%	±20%

*1: Measure frequency
 ●: 300kHz, none: 100 kHz



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Rated Voltage (V)	Capacitance (μF)	Case Code	Part Number (Bulk)	Leakage Current (μA) Max	DF (%) Max	ESR (mΩ) Max *1	Permissible Ripple Current (mA rms.)	DF (%) Max		Capacitance Change	
								-55°C	+105°C	at Surge Voltage at Resistance to Soldering Heat	at Endurance
4	220	C	PSLC0G227M	88	9	55	1414	9	14	±20%	±20%
	220	C	PSLC0G227M(45)	88	9	45	1563	9	14	±20%	±20%
	220	C	PSLC0G227M(25)	88	9	25	2098	9	14	±20%	±20%
	220	C	PSLC0G227M(18)	88	9	18	2472	9	14	±20%	±20%
	220	V	PSLV0G227M	88	10	45	1667	10	15	±20%	±20%
	220	V	PSLV0G227M(25)	88	10	25	2236	10	15	±20%	±20%
	220	V	PSLV0G227M(18)	88	10	18	2635	10	15	±20%	±20%
	220	V	PSLV0G227M(15)	88	10	15	2887	10	15	±20%	±20%
	220	V	PSLV0G227M(12)	88	10	12	3227	10	15	±20%	±20%
	220	D	PSLD0G227M	88	10	55	1651	10	15	±20%	±20%
	220	D	PSLD0G227M(40)	88	10	40	1936	10	15	±20%	±20%
	220	D	PSLD0G227M(25)	88	10	25	2449	10	15	±20%	±20%
	220	D	PSLD0G227M(15)	88	10	15	3162	10	15	±20%	±20%
	220	D	PSLD0G227M(12)	88	10	12	3536	10	15	±20%	±20%
	330	C	PSLC0G337M	132	10	55	1414	10	15	±20%	±20%
	330	C	PSLC0G337M(25)	132	10	25	2098	10	15	±20%	±20%
	330	V	PSLV0G337M	132	10	45	1667	10	15	±20%	±20%
	330	V	PSLV0G337M(25)	132	10	25	2236	10	15	±20%	±20%
	330	V	PSLV0G337M(15)	132	10	15	2887	10	15	±20%	±20%
	330	V	PSLV0G337M(12)	132	10	12	3227	10	15	±20%	±20%
	330	D	PSLD0G337M	132	10	40	1936	10	15	±20%	±20%
	330	D	PSLD0G337M(25)	132	10	25	2449	10	15	±20%	±20%
	330	D	PSLD0G337M(15)	132	10	15	3162	10	15	±20%	±20%
	470	D	PSLD0G477M	188	10	25	2449	10	15	±20%	±20%
	470	D	PSLD0G477M(18)	188	10	18	2887	10	15	±20%	±20%
	470	D	PSLD0G477M(15)	188	10	15	3162	10	15	±20%	±20%
	470	D	PSLD0G477M(12)	188	10	12	3536	10	15	±20%	±20%
	470	D	PSLD0G477M(10)	188	10	10	3873	10	15	±20%	±20%
	680	D	PSLD0G687M	272	10	25	2449	10	15	±20%	±20%
	680	D	PSLD0G687M(15)	272	10	15	3162	10	15	±20%	±20%
	680	D	PSLD0G687M(12)	272	10	12	3536	10	15	±20%	±20%
6.3	2.2	J	PSLJ0J225M	10	4	500	141	4	6	±20%	±20%
	3.3	J	PSLJ0J335M	10	4	500	141	4	6	±20%	±20%
	3.3	P	PSLP0J335M	3	6	300	289	6	9	±20%	±20%
	4.7	J	PSLJ0J475M	10	4	500	141	4	6	±20%	±20%
	4.7	P	PSLP0J475M	3	6	300	289	6	9	±20%	±20%
	6.8	J	PSLJ0J685M	10	6	500	141	6	6	±20%	±20%
	6.8	P	PSLP0J685M	4.2	6	300	289	6	9	±20%	±20%
	6.8	A	PSLA0J685M	4.2	6	300	500	6	9	±20%	±20%
	10	P	PSLP0J106M	6.3	6	200	354	6	9	±20%	±20%
	10	A2	PSLA20J106M	6.3	6	200	548	6	9	±20%	±20%
	10	A	PSLA0J106M	6.3	6	200	612	6	9	±20%	±20%
	15	A2	PSLA20J156M	9.4	6	200	548	6	9	±20%	±20%
	15	A	PSLA0J156M	9.4	6	200	612	6	9	±20%	±20%
	15	B2	PSLB20J156M	9.4	8	150	753	8	12	±20%	±20%
	22	A2	PSLA20J226M	13.8	6	200	548	6	9	±20%	±20%
	22	A	PSLA0J226M	13.8	6	180	645	6	9	±20%	±20%
	22	B3	PSLB30J226M	13.8	8	70	1035	8	12	±20%	±20%
	22	B2	PSLB20J226M	13.8	8	150	753	8	12	±20%	±20%
	33	A	PSLA0J336M	20.7	6	180	645	6	9	±20%	±20%
	33	B3	PSLB30J336M	20.7	8	70	1035	8	12	±20%	±20%
	33	B2	PSLB20J336M	20.7	8	150	753	8	12	±20%	±20%
	47	A	PSLA0J476M	29.6	6	180	645	6	9	±20%	±20%
	47	A	PSLA0J476M(70)	29.6	6	70	1035	6	9	±20%	±20%
	47	B3	PSLB30J476M	29.6	8	70	1035	8	12	±20%	±20%
	47	B3	PSLB30J476M(55)	29.6	8	55	1168	8	12	±20%	±20%
	47	B2	PSLB20J476M	29.6	8	150	753	8	12	±20%	±20%
	47	B2	PSLB20J476M(70)	29.6	8	70	1102	8	12	±20%	±20%
	47	C2	PSLC20J476M	29.6	9	70	1134	9	14	±20%	±20%
	47	C	PSLC0J476M	29.6	9	100	1049	9	14	±20%	±20%
	68	B3	PSLB30J686M	42.8	8	70	1035	8	12	±20%	±20%
	68	B2	PSLB20J686M	42.8	8	70	1102	8	12	±20%	±20%
	68	B2	PSLB20J686M(55)	42.8	8	55	1243	8	12	±20%	±20%

*1: Measure frequency

●: 300kHz, none: 100 kHz

Conductive Polymer type



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Rated Voltage (V)	Capacitance (μF)	Case Code	Part Number (Bulk)	Leakage Current (μA) Max	DF (%) Max	ESR (mΩ) Max *1	Permissible Ripple Current (mA rms.)	DF (%) Max		Capacitance Change	
								-55°C	+105°C	at Surge Voltage at Resistance to Soldering Heat	at Endurance
6.3	68	C2	PSLC20J686M	42.8	9	55	1279	9	14	±20%	±20%
	68	C	PSLC0J686M	42.8	9	100	1049	9	14	±20%	±20%
	100	A	PSLA0J107M(70)	63	8	70	1035	8	12	±20%	±20%
	100	A	PSLA0J107M(45)	63	8	45	1300	8	12	±20%	±20%
	100	A	PSLA0J107M(35)	63	8	35	1500	8	12	±20%	±20%
	100	B2	PSLB20J107M	63	8	70	1102	8	12	±20%	±20%
	100	B2	PSLB20J107M(45)	63	8	45	1374	8	12	±20%	±20%
	100	B2	PSLB20J107M(35)	63	8	35	1558	8	12	±20%	±20%
	100	B2	PSLB20J107M(25)	63	8	25	1844	8	12	±20%	±20%
	100	C2	PSLC20J107M	63	9	70	1134	9	14	±20%	±20%
	100	C2	PSLC20J107M(55)	63	9	55	1279	9	14	±20%	±20%
	100	C	PSLC0J107M	63	9	100	1049	9	14	±20%	±20%
	100	C	PSLC0J107M(55)	63	9	55	1414	9	14	±20%	±20%
	100	V	PSLV0J107M(18)	63	10	18	2635	10	15	±20%	±20%
	100	V	PSLV0J107M(15)	63	10	15	2887	10	15	±20%	±20%
	150	B15	PSLB150J157M(70)	94.5	10	70	1069	10	15	±20%	±20%
	150	B15	PSLB150J157M(35)	94.5	10	35	1512	10	15	±20%	±20%
	150	B2	PSLB20J157M	94.5	8	45	1374	8	12	±20%	±20%
	150	B2	PSLB20J157M(35)	94.5	8	35	1558	8	12	±20%	±20%
	150	B2	PSLB20J157M(25)	94.5	8	25	1844	8	12	±20%	±20%
	150	C2	PSLC20J157M	94.5	9	55	1279	9	14	±20%	±20%
	150	C	PSLC0J157M	94.5	9	100	1049	9	14	±20%	±20%
	150	C	PSLC0J157M(55)	94.5	9	55	1414	9	14	±20%	±20%
	150	C	PSLC0J157M(45)	94.5	9	45	1563	9	14	±20%	±20%
	150	C	PSLC0J157M(25)	94.5	9	25	2098	9	14	±20%	±20%
	150	V	PSLV0J157M	94.5	10	45	1667	10	15	±20%	±20%
	150	V	PSLV0J157M(25)	94.5	10	25	2236	10	15	±20%	±20%
	150	V	PSLV0J157M(18)	94.5	10	18	2635	10	15	±20%	±20%
	150	V	PSLV0J157M(15)	94.5	10	15	2887	10	15	±20%	±20%
	150	V	PSLV0J157M(12)	94.5	10	12	3227	10	15	±20%	±20%
	150	D	PSLD0J157M	94.5	10	55	1651	10	15	±20%	±20%
	150	D	PSLD0J157M(40)	94.5	10	40	1936	10	15	±20%	±20%
	150	D	PSLD0J157M(25)	94.5	10	25	2449	10	15	±20%	±20%
	220	B2	PSLB20J227M(45)	138.6	8	45	1374	8	12	±20%	±20%
	220	B2	PSLB20J227M(35)	138.6	8	35	1558	8	12	±20%	±20%
	220	B2	PSLB20J227M(25)	138.6	8	25	1844	8	12	±20%	±20%
	220	V	PSLV0J227M	138.6	10	45	1667	10	15	±20%	±20%
	220	V	PSLV0J227M(25)	138.6	10	25	2236	10	15	±20%	±20%
	220	V	PSLV0J227M(15)	138.6	10	15	2887	10	15	±20%	±20%
	220	V	PSLV0J227M(12)	138.6	10	12	3227	10	15	±20%	±20%
	220	D	PSLD0J227M	138.6	10	55	1651	10	15	±20%	±20%
	220	D	PSLD0J227M(40)	138.6	10	40	1936	10	15	±20%	±20%
	220	D	PSLD0J227M(25)	138.6	10	25	2449	10	15	±20%	±20%
	330	V	PSLV0J337M	207.9	10	45	1667	10	15	±20%	±20%
	330	V	PSLV0J337M(25)	207.9	10	25	2236	10	15	±20%	±20%
	330	D	PSLD0J337M	207.9	10	40	1936	10	15	±20%	±20%
	330	D	PSLD0J337M(25)	207.9	10	25	2449	10	15	±20%	±20%
	330	D	PSLD0J337M(18)	207.9	10	18	2887	10	15	±20%	±20%
10	2.2	J	PSLJ1A225M	10	4	500	141	4	6	±20%	±20%
	3.3	J	PSLJ1A335M	10	6	500	141	6	6	±20%	±20%
	3.3	A	PSLA1A335M	3.3	6	300	500	6	9	±20%	±20%
	4.7	J	PSLJ1A475M	10	6	500	141	6	6	±20%	±20%
	4.7	A2	PSLA21A475M	4.7	6	300	447	6	9	±20%	±20%
	4.7	A	PSLA1A475M	4.7	6	300	500	6	9	±20%	±20%
	6.8	A2	PSLA21A685M	6.8	6	300	447	6	9	±20%	±20%
	6.8	A	PSLA1A685M	6.8	6	300	500	6	9	±20%	±20%
	6.8	B2	PSLB21A685M	6.8	8	200	652	8	12	±20%	±20%
	10	P	PSLP1A106M	10	6	200	354	6	9	±20%	±20%
	10	A2	PSLA21A106M	10	6	200	548	6	9	±20%	±20%
	10	A	PSLA1A106M	10	6	200	612	6	9	±20%	±20%
	10	B2	PSLB21A106M	10	8	200	652	8	12	±20%	±20%
	15	A	PSLA1A156M	15	6	180	645	6	9	±20%	±20%
	15	B2	PSLB21A156M	15	8	150	753	8	12	±20%	±20%

*1: Measure frequency
 ●: 300kHz, none: 100 kHz



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Rated Voltage (V)	Capacitance (μF)	Case Code	Part Number (Bulk)	Leakage Current (μA) Max	DF (%) Max	ESR (mΩ) Max *1	Permissible Ripple Current (mA rms.)	DF (%) Max		Capacitance Change	
								-55°C	+105°C	at Surge Voltage at Resistance to Soldering Heat	at Endurance
10	15	C	PSLC1A156M	15	9	200	742	9	14	±20%	±20%
	22	A	PSLA1A226M	22	6	180	645	6	9	±20%	±20%
	22	B3	PSLB31A226M	22	8	70	1035	8	12	±20%	±20%
	22	B2	PSLB21A226M	22	8	150	753	8	12	±20%	±20%
	22	C	PSLC1A226M	22	9	150	856	9	14	±20%	±20%
	33	A	PSLA1A336M	33	8	200	612	8	12	±20%	±20%
	33	B3	PSLB31A336M	33	8	70	1035	8	12	±20%	±20%
	33	B2	PSLB21A336M	33	8	150	753	8	12	±20%	±20%
	33	C2	PSLC21A336M	33	9	70	1134	9	14	±20%	±20%
	33	C	PSLC1A336M	33	9	100	1049	9	14	±20%	±20%
	47	B3	PSLB31A476M	47	8	70	1035	8	12	±20%	±20%
	47	B2	PSLB21A476M	47	8	70	1102	8	12	±20%	±20%
	47	B2	PSLB21A476M(35)	47	8	35	1558	8	12	±20%	±20%
	47	C2	PSLC21A476M	47	9	70	1134	9	14	±20%	±20%
	47	C	PSLC1A476M	47	9	100	1049	9	14	±20%	±20%
	47	C	PSLC1A476M(55)	47	9	55	1414	9	14	±20%	±20%
	47	V	PSLV1A476M	47	10	60	1443	10	15	±20%	±20%
	47	D	PSLD1A476M	47	10	100	1225	10	15	±20%	±20%
	68	C2	PSLC21A686M	68	9	55	1279	9	14	±20%	±20%
	68	C	PSLC1A686M	68	9	100	1049	9	14	±20%	±20%
	68	C	PSLC1A686M(55)	68	9	55	1414	9	14	±20%	±20%
	68	V	PSLV1A686M	68	10	60	1443	10	15	±20%	±20%
	68	D	PSLD1A686M	68	10	100	1225	10	15	±20%	±20%
	100	B2	PSLB21A107M(45)	100	10	45	1374	10	15	±20%	±20%
	100	C2	PSLC21A107M	100	9	70	1134	9	14	±20%	±20%
	100	C2	PSLC21A107M(55)	100	9	55	1279	9	14	±20%	±20%
	100	C	PSLC1A107M	100	9	100	1049	9	14	±20%	±20%
	100	C	PSLC1A107M(55)	100	9	55	1414	9	14	±20%	±20%
	100	V	PSLV1A107M	100	10	45	1667	10	15	±20%	±20%
	100	V	PSLV1A107M(25)	100	10	25	2236	10	15	±20%	±20%
	100	D	PSLD1A107M	100	10	55	1651	10	15	±20%	±20%
	150	C	PSLC1A157M	150	9	55	1414	9	14	±20%	±20%
	150	V	PSLV1A157M	150	10	45	1667	10	15	±20%	±20%
	150	V	PSLV1A157M(40)	150	10	40	1768	10	15	±20%	±20%
	150	D	PSLD1A157M	150	10	55	1651	10	15	±20%	±20%
	150	D	PSLD1A157M(40)	150	10	40	1936	10	15	±20%	±20%
	220	D	PSLD1A227M	220	10	55	1651	10	15	±20%	±20%
	220	D	PSLD1A227M(40)	220	10	40	1936	10	15	±20%	±20%
	220	D	PSLD1A227M(25)	220	10	25	2449	10	15	±20%	±20%
16	3.3	A	PSLA1C335M	5.2	6	800	306	6	9	±20%	±20%
	4.7	B2	PSLB21C475M	7.5	8	200	652	8	12	±20%	±20%
	6.8	B2	PSLB21C685M	10.8	8	200	652	8	12	±20%	±20%
	10	B2	PSLB21C106M	16	8	100	922	8	12	±20%	±20%
	33	V	PSLV1C336M	52.8	10	70	1336	10	15	±20%	±20%
	47	V	PSLV1C476M	75.2	10	70	1336	10	15	±20%	±20%
	47	D	PSLD1C476M	75.2	10	70	1464	10	15	±20%	±20%
	68	V	PSLV1C686M	108.8	10	50	1581	10	15	±20%	±20%
20	68	D	PSLD1C686M	108.8	10	55	1651	10	15	±20%	±20%
	22	V	PSLV1D226M	44	10	90	1179	10	15	±20%	±20%
	33	V	PSLV1D336M	66	10	70	1336	10	15	±20%	±20%
	47	V	PSLV1D476M	94	10	70	1336	10	15	±20%	±20%
25	47	D	PSLD1D476M	94	10	70	1464	10	15	±20%	±20%
	6.8	B2	PSLB21E685M	17	8	100	922	8	12	±20%	±20%
	15	V	PSLV1E156M	37.5	10	90	1179	10	15	±20%	±20%
	22	V	PSLV1E226M	55	10	90	1179	10	15	±20%	±20%
	33	D	PSLD1E336M	82.5	10	60	1581	10	15	±20%	±20%

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