

**SP Series**

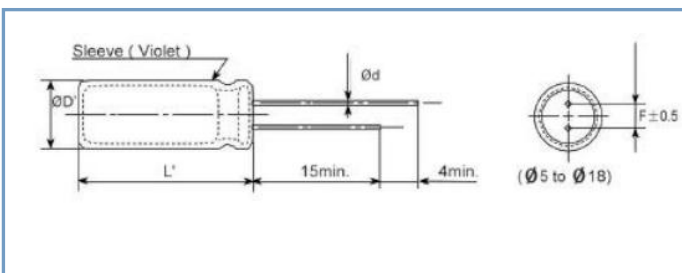
- High energy and high power,Radial Type & Snap-in Type & Screw Type are available;
- Low ESR with wide temperature design;
- The application of solar voltaic, Motor drive through quick discharge, Emergency power supply for car DVR or black box...

**◆ SPECIFICATIONS**

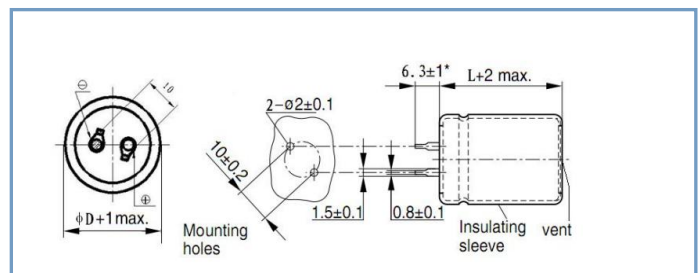
Items	Characteristics	
Rated working voltage	2.7VDC	3.0VDC
Operating temperature	-40 to +85℃	-40 to +85℃
Maximum surge voltage	2.85VDC	3.15VDC
Nominal Cap. range	0.1F to 3000F	0.25F to 360F
Capacitance tolerance	-20% to +20%(at 25℃)	
Low temperature(-40℃) characteristics	Capacitance change : ≤ 30% of the initial value at +25℃ Internal resistance : Less than three times of the initial value at +25℃	
Endurance	After 1,000hours application of rated DC working voltage at +85℃, the capacitor shall meet the following limits. • Capacitance change : ±30% of the initial value • Internal resistance : Less than four times of the initial value	
Cycle life characteristics	Capacitors charge-discharge between rated voltage and half rated voltage under constant current at +25℃(>500,000 cycles)	

**◆ DIMENSIONS [mm]**

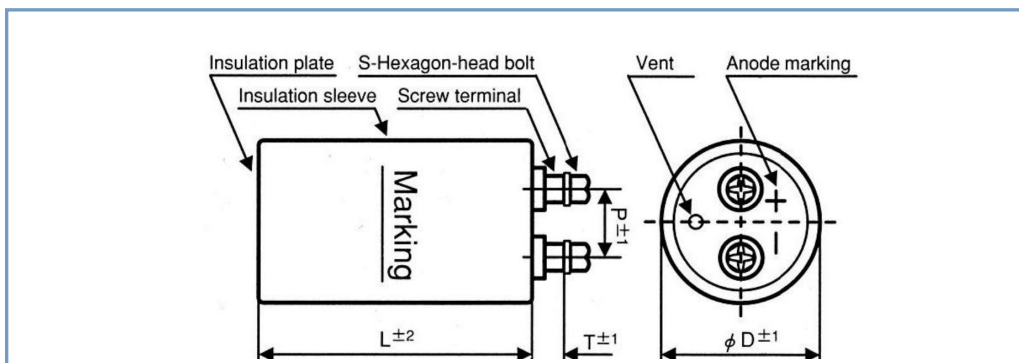
**Radial Type**



**Snap-in Type**



**Screw Type**



**STANDARD PRODUCTS**

Part Number	Operating Voltage (V)	Capacitance (F)	ESR ( $\Omega$ , @1kHz)	Size (mm)			Unit Type
				D	H	P	
SP-2R7-0R1-RDM	2.7	0.1	$\leq 0.700$	5	10	2	Radial type
SP-2R7-0R2-RDM	2.7	0.2	$\leq 0.600$	5	10	2	Radial type
SP-2R7-0R5-REM	2.7	0.5	$\leq 0.350$	6.3	10	2.5	Radial type
SP-2R7-0R7-RFM	2.7	0.7	$\leq 0.300$	8	13	3.5	Radial type
SP-2R7-1R0-RFM	2.7	1.0	$\leq 0.300$	8	13	3.5	Radial type
SP-2R7-2R0-RFM	2.7	2.0	$\leq 0.200$	8	16	3.5	Radial type
SP-2R7-3R3-RGM	2.7	3.3	$\leq 0.070$	10	20	5	Radial type
SP-2R7-4R7-RWM	2.7	4.7	$\leq 0.060$	12.5	21	5	Radial type
SP-2R7-100-RWM	2.7	10	$\leq 0.055$	12.5	21	5	Radial type
SP-2R7-120-RWM	2.7	12	$\leq 0.040$	12.5	21	5	Radial type
SP-2R7-150-RLM	2.7	15	$\leq 0.038$	16	26	7.5	Radial type
SP-2R7-200-RLM	2.7	20	$\leq 0.025$	16	26	7.5	Radial type
SP-2R7-300-RLM	2.7	30	$\leq 0.020$	16	34	7.5	Radial type
SP-2R7-400-RMM	2.7	40	$\leq 0.020$	18	41	7.5	Radial type
SP-2R7-500-RMM	2.7	50	$\leq 0.020$	18	41	7.5	Radial type
SP-2R7-600-RMM	2.7	60	$\leq 0.020$	18	41	7.5	Radial type
SP-2R7-700-RMM	2.7	70	$\leq 0.020$	18	41	7.5	Radial type

**STANDARD PRODUCTS**

Part Number	Operating Voltage (V)	Capacitance (F)	ESR ( $\Omega$ , @1kHz)	Size (mm)			Unit Type
				D	H	P	
SP-2R7-900-SPKM	2.7	90	$\leq 0.015$	22	46	10	Snap-in type
SP-2R7-101-SPKM	2.7	100	$\leq 0.015$	22	46	10	Snap-in type
SP-2R7-121-SPKM	2.7	120	$\leq 0.015$	22	46	10	Snap-in type
SP-2R7-151-SQKM	2.7	150	$\leq 0.015$	25	40	10	Snap-in type
SP-2R7-181-SQKM	2.7	180	$\leq 0.010$	25	54	10	Snap-in type
SP-2R7-221-SRKM	2.7	220	$\leq 0.010$	30	50	10	Snap-in type
SP-2R7-301-SRKM	2.7	300	$\leq 0.010$	30	50	10	Snap-in type
SP-2R7-401-SSKM	2.7	400	$\leq 0.010$	35	61	10	Snap-in type
SP-2R7-471-SSKM	2.7	470	$\leq 0.010$	35	61	10	Snap-in type
SP-2R7-501-SSKM	2.7	500	$\leq 0.010$	35	61	10	Snap-in type
SP-2R7-651-SSKM	2.7	650	$\leq 0.005$	35	96	12.7	Snap-in type
SP-2R7-701-SSKM	2.7	700	$\leq 0.005$	35	96	12.7	Snap-in type
SP-2R7-801-SSKM	2.7	800	$\leq 0.005$	35	96	12.7	Snap-in type
SP-2R7-122-SCYM	2.7	1200	$\leq 0.003$	51	108	21.8	Screw type
SP-2R7-242-SCYM	2.7	2400	$\leq 0.002$	51	133	21.8	Screw type
SP-2R7-302-SDYM	2.7	3000	$\leq 0.002$	64	133	28.2	Screw type

**STANDARD PRODUCTS**

Part Number	Operating Voltage (V)	Capacitance (F)	ESR ( $\Omega$ , @1kHz)	Size (mm)			Unit Type
				D	H	P	
SP-3R0-0R5-REM	3.0	0.5	$\leq 0.500$	6.3	12.5	2.5	Radial type
SP-3R0-1R0-RFM	3.0	1.0	$\leq 0.300$	8	13	3.5	Radial type
SP-3R0-2R0-RFM	3.0	2.0	$\leq 0.180$	8	20	3.5	Radial type
SP-3R0-3R3-RFM	3.0	3.3	$\leq 0.140$	8	20	3.5	Radial type
SP-3R0-4R0-RGM	3.0	4.0	$\leq 0.100$	10	20	5.0	Radial type
SP-3R0-4R7-RWM	3.0	4.7	$\leq 0.090$	12.5	21	5.0	Radial type
SP-3R0-5R0-RFM	3.0	5.0	$\leq 0.090$	8	24	3.5	Radial type
SP-3R0-100-RGM	3.0	10	$\leq 0.006$	10	25	5.0	Radial type
SP-3R0-150-RWM	3.0	15	$\leq 0.038$	12.5	34	5.0	Radial type
SP-3R0-250-RLM	3.0	25	$\leq 0.030$	16	26	7.5	Radial type
SP-3R0-300-RLM	3.0	30	$\leq 0.020$	16	26	7.5	Radial type
SP-3R0-600-RMM	3.0	60	$\leq 0.020$	18	41	7.5	Radial type
SP-3R0-101-SPKM	3.0	100	$\leq 0.008$	22	46	10	Snap-in type
SP-3R0-121-SPKM	3.0	120	$\leq 0.015$	22	46	10	Snap-in type
SP-3R0-361-SSKM	3.0	360	$\leq 0.003$	35	61	10	Snap-in type

●Please check with us about the specified actual demanding and much more customized models.