



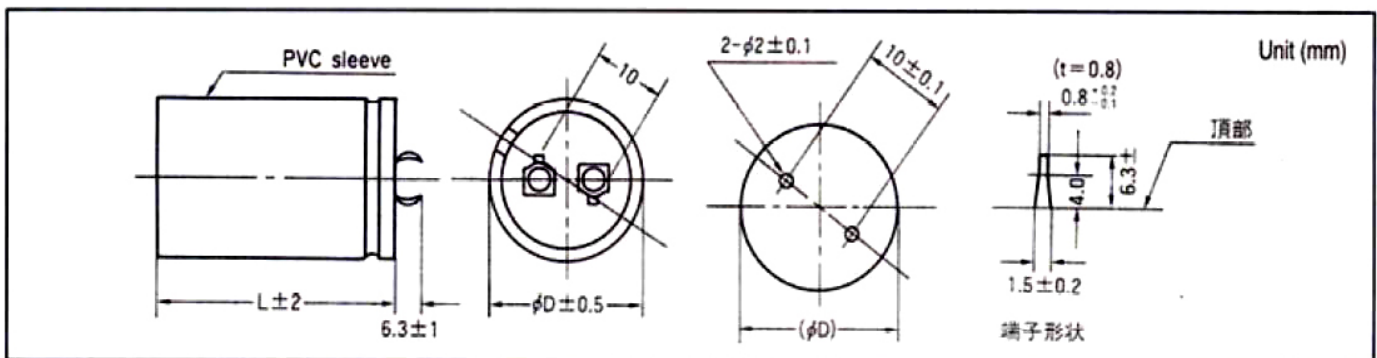
SG Series Snap-in Type

Features

- Directly mountable on printed circuit board without holders.
- Smaller low profile sizes than ordinary capacitors.
- Terminal spacing fixed at 10mm for PC board plug in.
- Aluminum case designed explosion-proof vent.

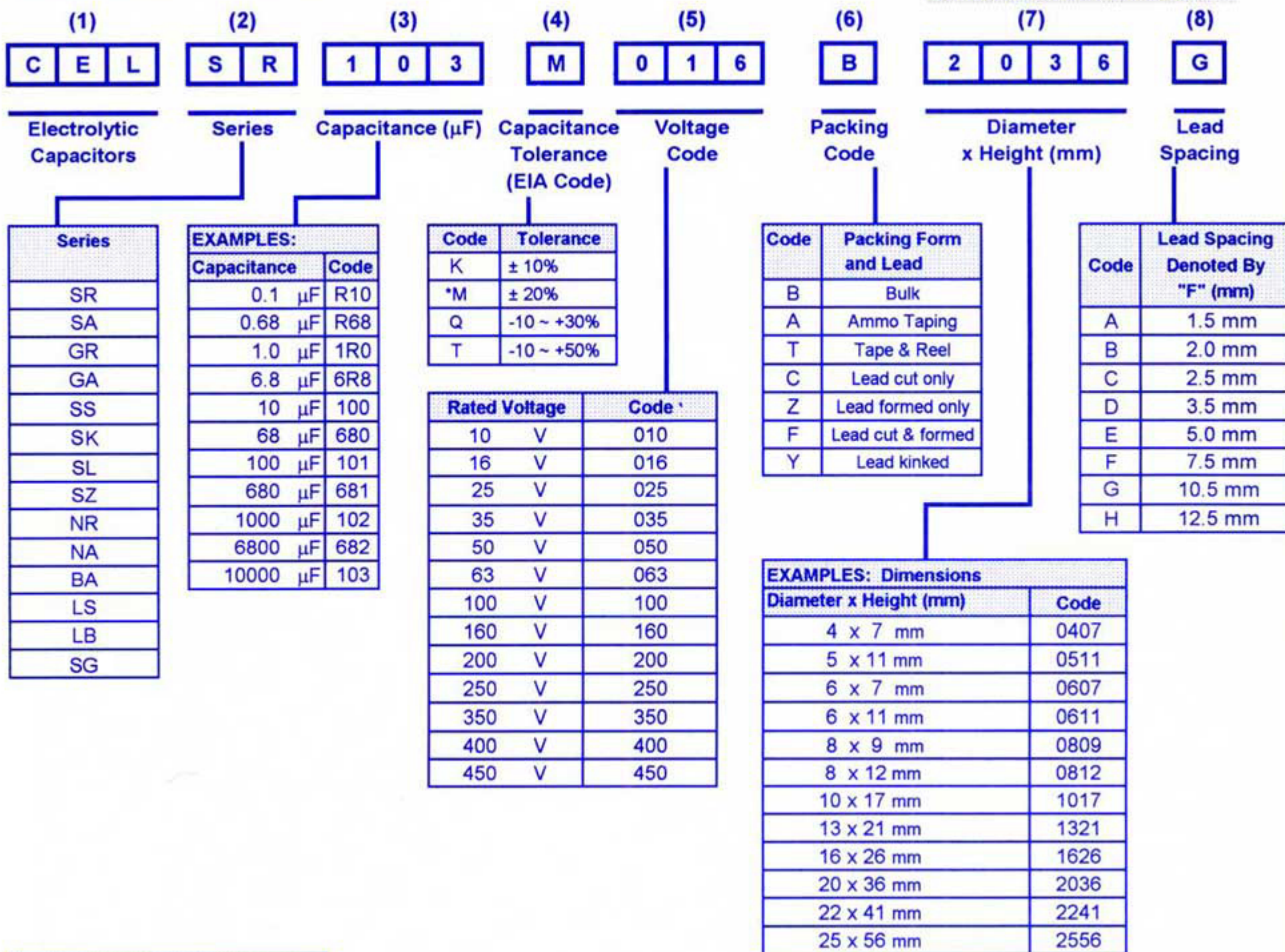
Items	Performance Characteristics						
Voltage Range	10 to 100V DC	160 TO 450V DC					
Capacitance Range	470 TO 68000 μ	47 TO 27000 μ F					
Temperature Range	-40 to 85°C	-25 to +85°C					
Capacitance Tolerance	-20~+20°C (120Hz, +20°C)						
Leakage Current	$1 \leq \sqrt{CV}$ (μ A) (after 5 minutes)						
Dissipation Factor (tan) (120Hz, +20°C)	Less than the value under table (at 20°C, 120HZ)						
	μ F	10~16V	25~35V	25~35V	50~63V	160~250V	315~450V
	47~330					0.15	0.20
	470~3300	0.25	0.20	0.20	0.20	0.15	0.20
	4700~6800	0.35	0.30	0.30	0.25		
	10000~22000	0.40	0.35	0.30			
	27000~47000	0.45	0.40	0.35			
56000~68000	0.50	0.45					
Stability at Low Temperature	Impedance ratio max. 120Hz						
	Working Voltage (V)	25~100	160~250	350~450			
	-25°C/+20°C	4	3	8			
Load Lift	The following specifications shall be satisfied when the capacitors are restore to 20°C after the rated voltage is applied for 2000 hours at 85°C						
	Leakage Current	Initial specified value or less					
	Capacitance change	Within $\pm 20\%$ of initial value					
Shelf Life	At 85°C no voltage applied after 500 hours the capacitors shall meet the following limit.						
	Leakage Current	$\leq 200\%$ of initial specified value					
	Capacitance change	$\leq \pm 20\%$ of initial value					
Others	Dissipation Factor (tan)						
	$\leq 150\%$ of initial specified value						
Others	Satisfies characteristic W of JIS C 5141-1982						

SG Dimensions





ORDERING INFORMATION



ORDERING DESCRIPTION

- (1) CAPACITOR TYPE (ALUMINUM ELECTROLYTIC)
- (2) CAPACITOR SERIES
- (3) CAPACITANCE CODE expressed in microfarads (μF) with three digit codes. The first two digits are significant ("R" indicates decimal point for under 10 μF) and the third digit represents the number of zeros to be added following the 2nd significant figure.
- (4) TOLERANCE CODE [(M) is standard]
- (5) RATED VOLTAGE in volts
- (6) PACKAGING AND LEAD CONFIGURATION CODES
- (7) SIZE (DIAMETER x HEIGHT in mm)
- (8) LEAD SPACING in mm (Not applicable for AXIAL TYPE)

When placing an order for A-CAP ELECTROLYTIC CAPACITORS, product specifications are applied to develop part numbers as shown below:

EXAMPLE:
 General purpose 1000 μF / 50 Volts / 20% / Radial Type Bulk / Lead spacing = 7.5mm
 NOTE: For Capacitance Value 1000 μF , 1 & 0 are significant digits then 2 zeros follow the 2nd significant digit = Code 102

CEL SR 102 M 050 B 1626 F

EXAMPLE:
 High temperature load 470 μF / 25 Volts / 20% Radial Type (Tape & Reel) / Lead spacing = 5.0mm
 NOTE: For Capacitance Value 470 μF , 4 & 7 are significant digits then 1 zero follows the 2nd significant digit = Code 471

CEL GR 471 M 025 T 1021 E