

SG Series

Features

- 105°C, 1,000 hours assured
- High temperature Category range, with 7mm height
- RoHS Compliance

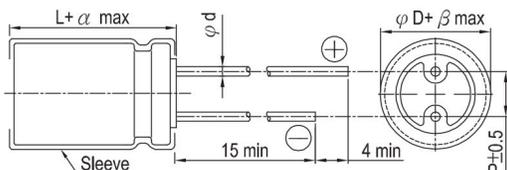


Sleeve & Marking Color: Black & White

Specifications

Items	Performance
Category Temperature Range	-40°C ~ +105°C
Capacitance Tolerance	±20% (at 120Hz, 20°C)
Leakage Current (at 20°C)	I = 0.01CV or 3 (µA) whichever is greater (after 2 minutes) Where, C = rated capacitance in µF, V = rated DC working voltage in V
Tanδ (at 120Hz, 20°C)	Rated Voltage
	Tanδ (max)
Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below.
	Impedance Ratio
Endurance	Test Time
	Capacitance Change
	Tanδ
	Leakage Current
Shelf Life Test	Test time: 500 hours; other items are the same as those for the Endurance.
Ripple Current and Frequency Multipliers	Freq.(Hz)
	Cap.(µF)
	Cap.(µF)

Diagram of Dimensions



Lead Spacing and Diameter

	4	5	6.3	8
φD	4	5	6.3	8
P	1.5	2.0	2.5	3.5
φd	0.45	0.5		
α	1.0			
β	0.5			

Unit: mm

Radial

Dimension and Permissible Ripple Current

Dimension: φD × L(mm)

Ripple Current: mA/rms at 120 Hz, 105°C

µF	V _{DC} Contents	4V (0G)		6.3V (0J)		10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)		63V (1J)	
		φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA
1	010																
2.2	2R2													4×7	10	4×7	11
3.3	3R3													4×7	15	4×7	17
4.7	4R7													4×7	18	4×7	21
10	100							4×7	25	4×7	26	4×7	22	5×7*	23	5×7	26
22	220			4×7	31	4×7	32	5×7*	39	5×7*	41	6.3×7	30	6.3×7*	34	6.3×7	40
33	330	4×7	32	4×7	32	4×7	35	5×7	43	6.3×7	53	8×7*	71	8×7	76		
47	470	4×7	38	4×7	38	5×7*	47	6.3×7*	59	6.3×7	65	8×7	83	8×7	85		
100	101	5×7	61	6.3×7*	75	6.3×7	80	6.3×7	90	8×7	125						
220	221	6.3×7	90	6.3×7	99	8×7	140	8×7	146								
330	331	8×7	156	8×7	156												

Note: Case size in mark of "*" is available to product down size.

Part Numbering System

SG Series	330µF	±20%	6.3V	Bulk Package	Gas Type	8 φ × 7L	Pb-free and PET sleeve
SG-	331	M	0J	BK	-	0807	S
Series Name	Capacitance	Capacitance Tolerance	Rated Voltage	Lead Configuration & Package	Rubber Type	Case Size	Supplement Code
						Lead Wire and Sleeve type	

Note: For more details, please refer to "Part Numbering System (Radial Type)"

All product specifications in the catalog are subject to change without notice. (CAT. 2017E1)