

# SM series

## Features

- ★ SMD贴片
- ★ 105°C 2000-10000Hrs

## Specifications

item	Performance Characteristics	
Operating Temperature Range	-55~+105°C	
Rated Voltage Range	2.5~100vdc	
Capacitance Tolerance	±20%(120Hz,+20°C)	
Leakage Current(+20°C,max)	≤0.2CV or 300uA whichever is greater (After rated voltage applied for 2 minutes)	
Dissipation Factor(tanδ,at 20°C,120Hz)	Not exceed the value specified	
ESR(100KHz)	Not exceed the value specified	
Endurance 105°C,2000-10000h,at rated voltage	Capacitance Change	Within ±20% of the value before test
	Leakage Current	Not exceed the value specified
	ESR	Not exceed 150% of the value specified
	Dissipation Factor	Not exceed 150% of the value specified
Moisture Resistance Stored at 60°C,RH90~95%,1000h	Capacitance Change	Within ±20% of the value before test
	Leakage Current	Not exceed the value specified
	ESR	Not exceed 150% of the value specified
	Dissipation Factor	Not exceed 150% of the value specified

## Frequency Coefficient for Ripple Current

Frequency	120Hz≤freq.<1KHz	1KHz≤freq.<10KHz	10KHz≤freq.<100KHz	100KHz≤freq.<300KHz
Coefficient	0.05	0.3	0.7	1

## Size

Unit: mm

Dimensions	ΦDXL	A±0.2	H±0.3	W	P	K(max)	L
	6.3x5	6.6	7.2	0.58~0.98	2.1	0.5±0.2	6+0.5/-0.3
	6.3x6	6.6	7.2	0.58~0.98	2.1	0.5±0.2	7.4+0.5/-0.3
	6.3x7	6.6	7.2	0.58~0.98	2.1	0.5±0.2	7.7+0.5/-0.3
	6.3x8	6.6	7.2	0.58~0.98	2.1	0.5±0.2	9+0.5/-0.3
	6.3x9	6.6	7.2	0.58~0.98	2.1	0.5±0.2	10+0.5/-0.3
	8x8	8.3	9	0.8~1.1	3.1	0.5±0.2	9±0.5
	8x10	8.3	9	0.8~1.1	3.1	0.5±0.2	10.3±0.5
	8x11.5	8.3	9	0.8~1.1	3.1	0.5±0.2	12.1±0.5
	10x10	10.3	11	0.8~1.1	4.5	0.5±0.2	10.2±0.5
	10x11.5	10.3	11	0.8~1.1	4.5	0.5±0.2	12.2±0.5
	10x12.5	10.3	11	0.8~1.1	4.5	0.5±0.2	13.2±0.5