

# 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 500uA 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	H	W	P	K	L
	6.3x5	6.6	8.6max	0.5~0.9	1.8	0.35±0.2	6
	6.3x7	6.6	8.6max	0.5~0.9	1.8	0.35±0.2	7.6
	8x8	8.3	10.3max	0.8~1.1	3.7	0.5±0.2	9
	8x10	8.3	10.3max	0.8~1.1	3.7	0.5±0.2	10.2
	10x10	10.3	12.3max	0.8~1.1	3.9	0.5±0.2	10.2
	10x12.5	10.3	12.3max	0.8~1.1	3.9	0.5±0.2	13.2

料号	规格	系列	WV	CAP	LC	DF	ESR	SIZE	纹波
SM477M6R3E0700	SM6.3V470 6.3X7	SM	6.3	470	592.2	6	20	6.3X7	2650
SM108M6R3F0800	SM6.3V1000 8X8	SM	6.3	1000	1000	6	14	8X8	4100
SM127M010E0500	SM10V120 6.3X5	SM	10	120	500	6	28	6.3X5	2650
SM227M010E0700	SM10V220 6.3X7	SM	10	220	500	6	20	6.3X7	2650
SM477M010E0700	SM10V470 6.3X7	SM	10	470	940	6	20	6.3X7	2650
SM187M016E0500	SM16V180 6.3X5	SM	16	180	576	8	28	6.3X5	2650
SM227M016E0700	SM16V220 6.3X7	SM	16	220	704	8	21	6.3X7	2650
SM277M016E0700	SM16V270 6.3X7	SM	16	270	864	8	21	6.3X7	2650
SM477M016E0800	SM16V470 6.3X8	SM	16	470	1000	8	16	6.3X8	2650
SM476M025E0500	SM25V47 6.3X5	SM	25	47	300	10	30	6.3X5	2650
SM107M025E0500	SM25V100 6.3X5	SM	25	100	500	10	30	6.3X5	2650
SM107M025E0700	SM25V100 6.3X7	SM	25	100	500	10	28	6.3X7	2650
SM227M025E0600	SM25V220 6.3X6	SM	25	220	1000	10	28	6.3X6	2650
SM227M025F0800	SM25V220 8X8	SM	25	220	1000	10	25	8X8	4100
SM337M025E0800	SM25V330 6.3X8	SM	25	330	1000	10	25	6.3X8	2650
SM337M025G1250	SM25V330 10X12.5	SM	25	330	1000	10	16	10X12.5	4900
SM337M025F0800	SM25V330 8X8	SM	25	330	1000	10	25	8X8	4100
SM477M025F0800	SM25V470 8X8	SM	25	470	1000	10	25	8X8	4100
SM337M030G1150	SM30V330 10X11.5	SM	30	330	1000	10	18	10X11.5	4900
SM476M035E0500	SM35V47 6.3X5	SM	35	47	329	10	35	6.3X5	2650
SM686M035F0800	SM35V68 8X8	SM	35	68	476	10	30	8X8	4100
SM826M035E0500	SM35V82 6.3X5	SM	35	82	300	10	35	6.3X5	2650
SM107M035E0700	SM35V100 6.3X7	SM	35	100	700	10	25	6.3X7	2650
SM227M035E0900	SM35V220 6.3X9	SM	35	220	1000	10	25	6.3X9	2650
SM277M035F0800	SM35V270 8X8	SM	35	270	1000	10	25	8X8	4100
SM337M035G1150	SM35V330 10X11.5	SM	35	330	1000	10	18	10X11.5	4900
SM477M035G1150	SM35V470 10X11.5	SM	35	470	1000	10	18	10X11.5	4900
SM687M035G1250	SM35V680 10X12.5	SM	35	680	1000	10	18	10X12.5	4900
SM226M050E0500	SM50V22 6.3X5	SM	50	22	300	10	40	6.3X5	2650
SM476M050E0800	SM50V47 6.3X8	SM	50	47	470	10	30	6.3X8	2650
SM106M063E0500	SM63V10 6.3X5	SM	63	10	300	10	40	6.3X5	2650
SM226M063E0800	SM63V22 6.3X8	SM	63	22	300	10	35	6.3X8	2650
SM686M063F0800	SM63V68 8X8	SM	63	68	856.8	10	30	8X8	4100
SM336M080G1150	SM80V33 10X11.5	SM	80	33	528	10	25	10X11.5	4900