

Jamicon Series : SN

Teapo Series : SN Non-polar Standard Series

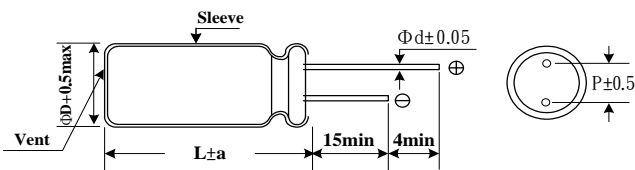
- Endurance: 105°C 2000 hours
- Recommended Applications : Non-polar miniature type for used in reversing polarity DC voltage circuits
- Corresponding product to RoHS



■ SPECIFICATIONS

Item	Characteristics	
Category Temperature Range	-40 ~ +105°C	-25~+105°C
Rated Voltage Range	6.3 ~ 100VDC	160~250VDC
Rated Capacitance Range	1 ~ 2200 μF	1~100 μF
Capacitance Tolerance	± 20 % (120Hz , 20°C)	
Leakage Current (20°C)	I=0.03CV+ 3 μ A; L=7mm, I=0.06CV+ 10 μ A(After rated voltage applied for 2 minutes) I : Max. leakage current (μ A), C : Nominal capacitance (μ F), V : Rated voltage (V)	
Dissipation Factor(MAX) (tan δ) (120Hz ,20°C)	WV	6.3 10 16 25 35 50 63 80 100 160~250
	tan δ	0.24 0.20 0.17 0.15 0.15 0.15 0.12 0.12 0.12 0.20
When nominal capacitance is over 1000uF , tan δ shall be added 0.02 to the listed value with increase of every 1000uF;L=7mm, tan δ shall be added 0.03		
Low Temperature Stability Impedance Ratio (MAX)	WV	6.3 10 16 25 35 50 63~100 160-250
	Z(120Hz)	4 3 2 2 2 2 2 2 6
	Z-25°C / Z+20°C	10 8 6 4 3 3 3 —
Endurance	After applying rated voltage with rated ripple current for2000 (L≤7mm1000) hours at 105°C, the capacitors shall meet the following requirements.	
	Capacitance change	Within ± 25% of initial value
	D.F. (tan δ)	Not more than 200% of specified value
Shelf Life	After placed at 105°C without voltage applied for 500 hours,the capacitors shall meet the same requirement as Endurance.	

■ Dimensions [mm]



ΦD	4.0	5.0	6.3	8.0	10.0	13.0	16.0	18.0
P	1.5	2.0	2.5	3.5	5.0	5.0	7.5	7.5
Φd	0.45	0.5	0.5	0.6	0.6	0.6	0.8	0.8
a	1.0	1.5	1.5	1.5	1.5	2.0	2.0	2.0

■ Multiplier for Ripple Current

Freq. (Hz)	60	120	300	1K	10K
Factor	0.75	1.00	1.20	1.32	1.65

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■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	R.C (mA/rms105°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	R.C (mA/rms105°C) (120Hz)		
6.3(8)	33	5x11	0.24	63	50(63)	22	6.3x11	0.15	75		
	47	6.3x11	0.24	84			8x11	0.15	97		
	100	8x11	0.24	140			10x12.5	0.15	115		
	10(13)	220	10x12.5	0.24		235	33	8x11	0.15	110	
		330	10x16	0.24		310		10x16	0.15	150	
		470	10x20	0.24		400		8x11	0.15	130	
		16(20)	1000	13x25		0.24	690	47	10x20	0.15	190
2200			16x32	0.26	1250	100	13x20		0.15	310	
25(32)			22	5x11	0.20	57	220		16x25	0.15	570
			33	6.3x11	0.20	77		330	16x36	0.15	790
	47		6.3x11	0.20	93	63(79)		10	8x11	0.12	74
	100		8x11	0.20	193		22	8x11	0.12	95	
	220		10x16	0.20	255			10x16	0.12	130	
	330	10x20	0.20	380	33		8x11	0.12	115		
	470	13x20	0.20	470		10x20	0.12	175			
1000	16x25	0.20	885	47	13x20	0.12	230				
2200	16x36	0.22	1450		100	16x25	0.12	410			
35(44)	10	6.3x11	0.17		45	100	16x32	0.12	660		
	22	5x11	0.17		59		10	10x12.5	0.12	88	
	33	6.3x11	0.17	69	22		10x20	0.12	150		
	47	8x11	0.17	98	80(100)		33	13x20	0.12	205	
	50(63)	100	8x11	0.17		115	47	13x20	0.12	245	
		220	10x12.5	0.17		175		100	16x25	0.12	435
		330	10x16	0.17		205	100(125)	10	8x11	0.12	80
		470	10x20	0.17	330	22		10x12.5	0.12	100	
	1000	13x20	0.17	445	33			13x20	0.12	180	
	50(63)	220	13x20	0.17	570	47		47	13x25	0.12	285
330		13x20	0.17	570	100		100	16x32	0.12	510	
470		13x25	0.17	570			160(200)	1	6.3x11	0.20	21
1000		16x32	0.17	1020				2.2	8x11	0.20	34
25(32)		10	5x11	0.15		42		3.3	10x12.5	0.20	49
		22	6.3x11	0.15	50	4.7		10x12.5	0.20	58	
			8x11	0.15	69	10		10x17	0.20	80	
		33	8x11	0.15	105	22		13x25	0.20	180	
		47	10x12.5	0.15	140	33		16x26	0.20	220	
		100	10x20	0.15	240	47		16x26	0.20	285	
	220	13x20	0.15	390	100	18x36		0.20	510		
330	16x25	0.15	580	200(250)	1	6.3x11		0.20	21		
470	16x25	0.15	690		2.2	8x11	0.20	34			
35(44)	4.7	5x11	0.15		34	3.3	10x12.5	0.20	49		
	10	6.3x11	0.15		54	4.7	10x15	0.20	62		
	22	8x11	0.15		94	10	13x20	0.20	100		
	33	10x12.5	0.15		125	22	13x25	0.20	180		
	47	10x16	0.15		165	33	16x26	0.20	220		
	100	13x20	0.15	285	47	16x32	0.20	315			
	220	16x25	0.15	520	250(300)	1	8x11	0.20	25		
330	16x25	0.15	630	2.2		10x12.5	0.20	38			
470	16x32	0.15	820	3.3		10x12.5	0.20	49			
50(63)	2.2	5x11	0.15	25		4.7	10x17	0.20	66		
	3.3	6.3x11	0.15	31		10	13x20	0.20	100		
	4.7	5x11	0.15	34		22	16x26	0.20	200		
		6.3x11	0.15	41		33	16x32	0.20	250		
	10	6.3x11	0.15	56	47	16x36	0.20	330			
		8x11	0.15	70							