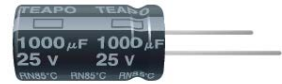


Jamicon Series : NK

Teapo Series : RN

Non-polar Standard Serie

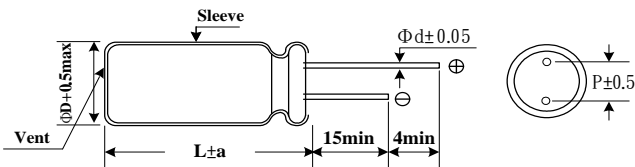


- Endurance: 85°C,2000hours, Non-polarized/Polarity reversing
- Recommended Applications :Small crossover network, Reversed polarity circuit, Coupling
- Corresponding product to RoHS

SPECIFICATIONS

Item	Characteristics	
Category Temperature Range	-40 ~ +85°C	-25~+85°C
Rated Voltage Range	6.3~ 100VDC	160~250VDC
Rated Capacitance Range	1 ~ 6800 µF	1~100 µF
Capacitance Tolerance	± 20 % (120Hz , 20°C)	
Leakage Current (20°C)	I ≤ 0.03CV+4 µ A ; L=7mm,I ≤ 0.05CV or 10 µ A whichever is greater. (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 63~100 160~250
	tan δ	0.24 0.2 0.17 0.15 0.15 0.15 0.12 0.20
When nominal capacitance is over 1000 µ F,tan δ shall be added 0.02 to the listed value with increase of every 1000 µ F.		
Low Temperature Stability Impedance Ratio (MAX)	Z(120Hz)	6.3 10 16 25 35 50 63~100 160~250
	Z(-25°C) / Z(+20°C)	4 3 2 2 2 2 2 6
	Z(-40°C) / Z(+20°C)	8 6 4 4 3 3 3 -
Endurance	After applying rated voltage with rated ripple current for2000 (L≤7mm1000) hours at 85°C, the capacitors shall meet the following requirements.	
	Capacitance change	Within ± 20% of initial value
	D.F. (tan δ)	Not more than 200% of specified value
Shelf Life	After placed at 85°C without voltage applied for 500 hours,the capacitors shall meet the same requirements as load life.	

Dimensions [mm]



ΦD	4	5	6.3	8	10	13	16	18
P	1.5	2.0	2.5	3.5	5.0	5.0	7.5	7.5
Φd	0.45	0.5(0.45)	0.5(0.45)	0.6	0.6	0.6	0.8	0.8
a	1.0	1.5(1.0)	1.5(1.0)	1.5	1.5	2.0	2.0	2.0

() : L = 7

Multiplier for Ripple Current

Freq. (Hz)	50	120	1K	10K
WV(VDC)				
6.3 ~ 16V	0.8	1.0	1.1	1.2
25 ~ 35V	0.8	1.0	1.5	1.7
50 ~ 100V	0.8	1.0	1.6	1.9
160 ~ 250V	0.8	1.0	1.5	1.6

Jamicon Series : NK

Teapo Series : RN

■STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (mA/rms85°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (mA/rms85°C) (120Hz)	
6.3(8)	22	5x7	0.24	45	35 (44)	4.7	5x7	0.15	30	
	33	5x7	0.24	55			5x11	0.15	38	
		5x11	0.24	70		10	5x11	0.15	48	
	5x11	0.24	75	6.3x7			0.15	45		
	47	6.3x7	0.24	60		22	6.3x11	0.15	95	
		6.3x11	0.24	115		33	8x11	0.15	100	
	100	8x11	0.24	205		47	8x11	0.15	120	
	330	8x11	0.24	265		100	10x16	0.15	230	
	470	10x12.5	0.24	370		220	13x20	0.15	410	
	1000	10x20	0.24	650		330	13x20	0.15	505	
	2200	13x25	0.26	1160		470	13x25	0.15	655	
	3300	16x25	0.28	1570		1000	16x32	0.15	1140	
	4700	16x32	0.30	2020		50 (63)	1	4x7	0.15	10
	6800	18x36	0.34	2600				5x11	0.15	18
10(13)	10	4x7	0.20	30	2.2		4x7	0.15	20	
	22	5x7	0.20	50			5x11	0.15	26	
		5x11	0.20	65	3.3		5x7	0.15	25	
	5x11	0.20	65	5x11			0.15	30		
	33	6.3x7	0.20	55	4.7		6.3x7	0.15	30	
		5x11	0.20	75			5x11	0.15	30	
	47	6.3x7	0.20	65	10		6.3x11	0.15	45	
		6.3x11	0.20	125	22		8x11	0.15	80	
	220	8x11	0.20	215	33		8x11	0.15	105	
	330	10x16	0.20	345	47		8x15	0.15	140	
	470	10x16	0.20	410	100		10x20	0.15	265	
	1000	13x20	0.20	720	220		13x25	0.15	480	
	2200	16x25	0.22	1280	330	16x25	0.15	650		
	3300	16x32	0.24	1690	470	16x32	0.15	840		
4700	18x36	0.26	2160	63 (79)	10	6.3x11	0.12	55		
16 (20)	4.7	4x7	0.17		20	22	8x11	0.12	90	
	10	5x7	0.17		35	33	10x12.5	0.12	135	
		5x11	0.17		47	47	10x16	0.12	180	
	22	5x11	0.17		55	100	13x20	0.12	320	
		6.3x7	0.17		47	220	16x25	0.12	575	
	33	5x11	0.17		70	330	16x32	0.12	750	
		6.3x7	0.17		60	470	18x36	0.12	965	
	47	6.3x7	0.17	70	80 (100)	10	8x11	0.12	65	
		6.3x11	0.17	95		22	10x16	0.12	105	
	100	8x11	0.17	160		33	10x16	0.12	160	
	220	10x12.5	0.17	275		47	10x20	0.12	215	
	330	10x16	0.17	375		100	13x25	0.12	385	
	470	10x20	0.17	485		220	16x32	0.12	690	
	1000	13x25	0.17	855		330	18x36	0.12	860	
2200	16x32	0.19	1510	100 (125)	10	8x11	0.12	70		
3300	18x36	0.21	1980		22	10x16	0.12	135		
25 (32)	3.3	4x7	0.15		15	33	13x20	0.12	220	
	4.7	5x7	0.15		20	47	13x20	0.12	240	
		5x11	0.15		40	100	16x25	0.12	425	
	10	6.3x7	0.15	35	220	18x36	0.12	720		
		6.3x7	0.15	50	160 (200)	1	6.3x11	0.20	15	
	6.3x11	0.15	65	2.2		8x11	0.20	20		
	22	6.3x7	0.15	65		3.3	10x12.5	0.20	30	
		6.3x11	0.15	80		4.7	10x12.5	0.20	35	
	33	6.3x11	0.15	95		10	10x16	0.20	55	
	47	6.3x11	0.15	95		22	13x25	0.20	105	
	100	8x11	0.15	160		33	16x25	0.20	165	
	220	10x16	0.15	305		47	16x26	0.20	200	
	330	13x20	0.15	450		100	18x36	0.20	360	
	470	13x20	0.15	540		200 (250)	1	6.3x11	0.20	15
1000	16x25	0.15	950	2.2	8x11		0.20	20		
2200	18x36	0.17	1730	3.3	10x12.5		0.20	30		
35 (44)	2.2	4x7	0.15	15	4.7		10x16	0.20	40	
	3.3	5x7	0.15	20						

Jamicon Series : NK

Teapo Series : RN

■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (mA/rms85°C) (120Hz)
200 (250)	10	13x20	0.20	70
	22	13x25	0.20	120
	33	16x25	0.20	165
	47	16x32	0.20	220
250 (300)	1	8x11	0.20	15
	2.2	10x12.5	0.20	25

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (mA/rms85°C) (120Hz)
250 (300)	3.3	10x12.5	0.20	30
	4.7	10x16	0.20	40
	10	13x20	0.20	70
	22	16x25	0.20	135
	33	16x32	0.20	180
	47	16x36	0.20	230