

Axial Electrolytic Capacitors

Features

- Load life of 2000 hours at 85°C
- High value CV range
- Standard series of general purpose



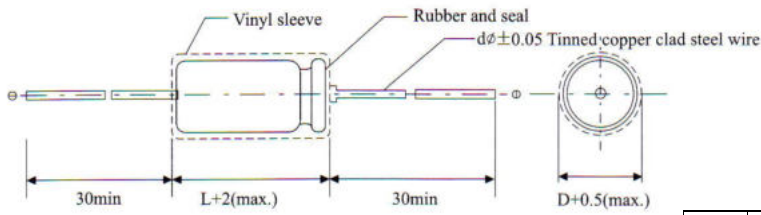
Specifications

Item	Characteristic	
Operation Temperature	- 40 ~ + 85°C -40~+105°C	- 25 ~ + 85°C -25~+105°C
Rated Working Voltage Range	6.3 ~ 100 VDC	160 ~ 450 VDC
Capacitance Tolerance	±20 % (M)	
Dissipation Factor(tan.δ) 120Hz 25°C	W.V	6.3 10 16 25 35 40 50 63 100 160 200 250 350 400 450
	tan.δ	0.25 0.20 0.17 0.15 0.12 0.12 0.10 0.10 0.10 0.15 0.15 0.15 0.20 0.20 0.20
Leakage Current (25°C)	6.3 ~ 100 VDC	160 ~ 450 VDC
	$I \leq 0.01CV$ or 3 (uA)	$I \leq 0.03CV + 10$ (uA)
	I:Leakage Current (uA) C:Rated Capacitance (uF) V: Working Voltage(V)	
	After 2 minutes applying the DC working voltage	After 5 minutes applying the DC working voltage

Temperature Characteristics	W.V.	6.3	10	16	25	35	40	50	63	100	160	200	250	350	400	450
	-25°C/+25°C	4	4	3	3	2	2	2	2	2	8	8	8	12	16	16
	-40°C/+25°C	10	8	6	4	3	3	3	3	3	-	-	-	-	-	-
Impedance ratio at 120Hz																
Load Test	After 1000 hours application of W.V.at +105°C, the capacitor shall meet the following limits.															
	Capacitance Change	$\leq \pm 20\%$ of initial value														
	tan.δ	$\leq 150\%$ of initial specified value														
	Leakage Current	\leq initial specified value														
Shelf Test	After 500 hours ,no voltage applied at +105°C, the capacitor shall meet the following limits.															
	Capacitance Change	$\leq \pm 20\%$ of initial value														
	tan.δ	$\leq 150\%$ of initial specified value														
	Leakage Current	$\leq 200\%$ of initial specified value														

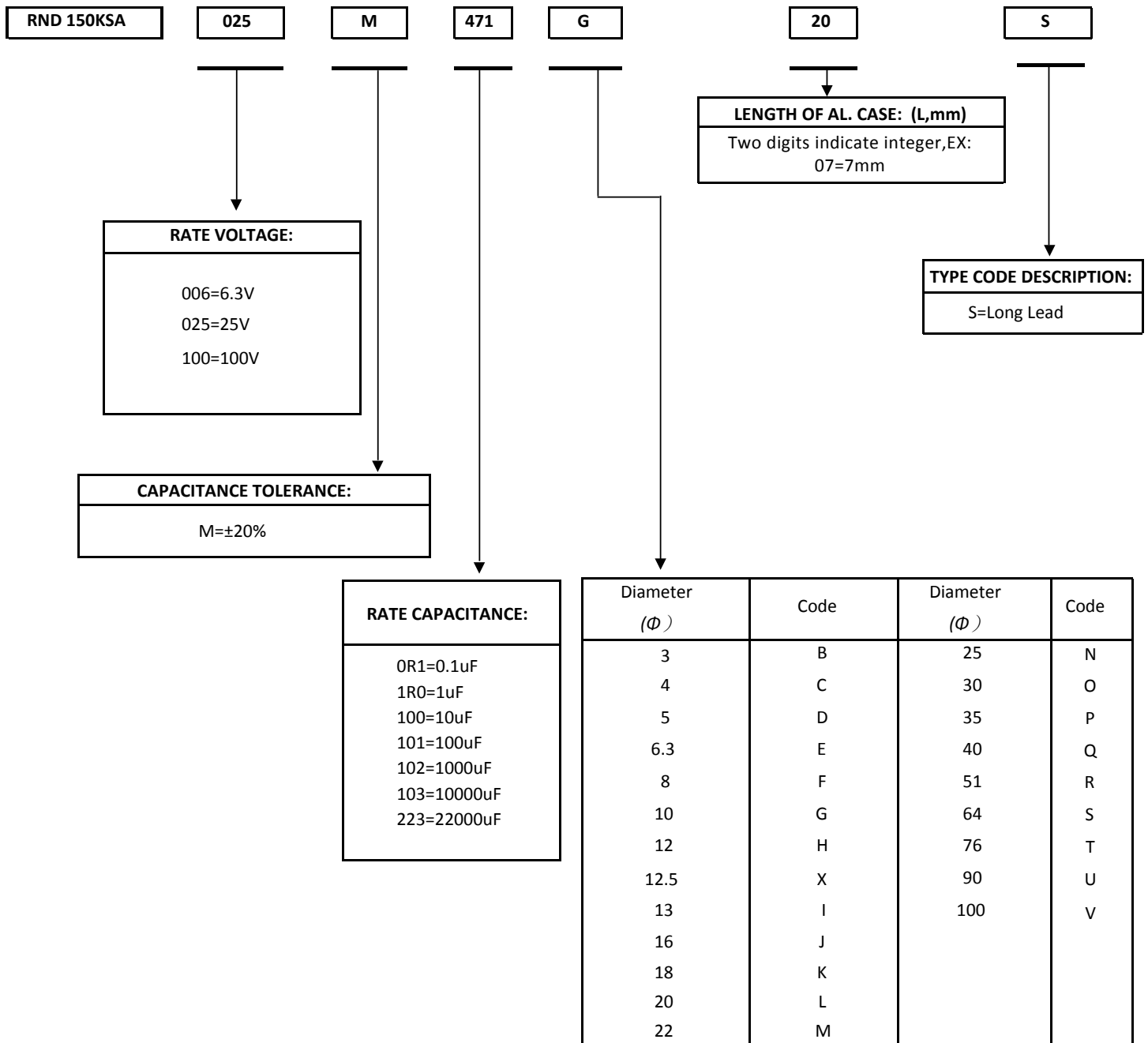
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Dimensions



	m/m									
D	6	8	10	13	16	18	20	22	25	
d	0.6					0.8				

Part Number Code (example)



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Permissible Ripple Current

mA(rms) at 120Hz, 85°C

μF \ WV	6.3	10	16	25	35	40	50	63	100
0.47						→	5	5	10
1						→	10	10	19
2.2						→	19	28	29
3.3						→	33	38	38
4.7						→	43	43	48
10				→	57	59	62	67	67
22		→	71	86	90	93	95	100	109
33	→	57	105	105	105	105	105	124	138
47	→	86	124	124	124	124	124	152	171
100	→	171	171	171	200	218	238	257	333
220	→	238	238	295	333	356	380	428	523
330	→	314	333	371	418	447	475	523	665
470	361	380	418	456	523	570	617	713	855
1000	551	599	646	808	855	930	998	1045	
2200	846	874	950	1140	1188	1212	1235	1314	
3300	969	1034	1045	1235	1330	1425	1740	1825	
4700	1112	1140	1292	1425	1635	1795	1864	1976	
10000	1378	1520	1845	1954	2133				

μF \ WV	160	200	250	350	400	450
0.47	9	9	9	10	10	10
1	11	11	11	12	12	12
2.2	18	18	20	20	20	20
3.3	24	24	24	26	26	28
4.7	28	28	30	30	30	33
10	45	45	48	53	53	58
22	76	76	90	93	93	98
33	105	105	109	116	116	124
47	124	124	143	152	152	171
100	204	204	233	247	247	271
220	347	356	380	395		
330	523	570	617			
470	648					

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Certificate of Composition

No.	Materials	Composition	Place of origin
1	Positive foil	AL purity:99.98% up	Taiwan
2	Negative foil	AL purity:99.4%/99.7% up	Taiwan
3	Lead Terminal	AL purity:99.92%/99.95% up	Taiwan
4	Electrolytic Paper	High Density Paper	Japan
5	Rubber bung	EPT/IIR	Taiwan
6	AL.Case	Al purity:99.7% up	Taiwan
7	Plastic Tube	PVC Thermal Shrink Tube	Taiwan
8	Electrolytic Liquid	EG/GBL DEG Ammonium Formate Ammonium Citric Acid	Taiwan