

Features

- 1) Suitable for snubber circuits, small watts resonant circuits.
- 2) Protected against moisture and solvent through our original epoxy resin vacuum impregnation.
- 3) Temperature characteristic of capacitance is negative.
- 4) Tangent of loss angle is very low, with an excellent long stability.



Specifications

Temp. Range	100V	-25 to +70°C (+85°C)*	Tangent of Loss Angle	C ≤ 0.10μF 0.0010 or less C > 0.10μF 0.0012 or less (at 1KHz)
	250V 400V	-40 to +85°C		
Rated Voltage	100, 250, 400V.c.d		Insulation Resistance	30,000MΩ or more
Capacitance	100V	0.00010 to 0.22μF (E-24)	Endurance	85°C WV x 140% 1000hr ΔC/C±3% within tanδ 0.0011 or less IR25,000MΩ or more
	250V	0.00010 to 0.010μF (E-24)		
	400V	0.0010 to 0.010μF (E-12)	Damp Heat	40°C 90 to 95% RH WV 500hr ΔC/C ±3% within tanδ 0.0012 or less IR 10,000MΩ or more
Cap Tolerance	100V	±1% (F) ±2% (G) ±5% (J)		
	250V 400V	±5% (J) ±10% (K)		

* () Marked temperature shows operable range when voltage derated.

Style	Straight Lead Type		Single Formed Lead Type			Double Formed Lead Type	
Cap Range	100V.d.c	101 to 224	123 to 124	134 to 224	101 to 113	101 to 363 F=5.0 393 to 124 F=7.5	134 to 224 F=7.5
	250V.d.c	101 to 103	101 to 103	-	-	101 to 103 F=5.0	-
	400V.d.c	102 to 103	102 to 103	-	-	102 to 103 F=5.0	-

Dimensions(mm)

APS	Cap(μF)	APS 100V.d.c.						APS 200V.d.c.						APS 400V.d.c.					
		W	H	T	P	F	φd	W	H	T	P	F	φd	W	H	T	P	F	φd
101	0.00010	6.0	9.0	4.0	3.5	5.0	0.5	6.0	8.5	4.0	3.5	5.0	0.5						
121	0.00012	6.0	9.0	4.0	3.5	5.0	0.5	6.0	8.5	4.0	3.5	5.0	0.5						
151	0.00015	6.0	9.0	4.0	3.5	5.0	0.5	6.0	8.5	4.0	3.5	5.0	0.5						
181	0.00018	6.0	9.0	4.0	3.5	5.0	0.5	6.0	8.5	4.0	3.5	5.0	0.5						
221	0.00022	6.0	8.5	3.5	3.5	5.0	0.5	6.0	8.5	4.0	3.5	5.0	0.5						
271	0.00027	6.0	8.5	3.5	3.5	5.0	0.5	6.0	8.5	4.0	3.5	5.0	0.5						
331	0.00033	6.0	8.5	3.5	3.5	5.0	0.5	6.0	8.5	4.0	3.5	5.0	0.5						
391	0.00039	6.0	8.5	3.5	3.5	5.0	0.5	6.0	8.5	4.0	3.5	5.0	0.5						
471	0.00047	6.0	8.5	3.5	3.5	5.0	0.5	6.0	8.5	4.0	3.5	5.0	0.5						
561	0.00056	6.0	8.5	3.5	3.5	5.0	0.5	6.0	8.5	4.0	3.5	5.0	0.5						
681	0.00068	6.0	8.5	3.5	3.5	5.0	0.5	6.0	8.5	4.0	3.5	5.0	0.5						
821	0.00082	6.0	8.5	3.5	3.5	5.0	0.5	6.0	8.5	4.0	3.5	5.0	0.5						
102	0.0010	6.0	8.5	3.5	3.5	5.0	0.5	6.0	8.5	4.0	3.5	5.0	0.5	7.8	10.0	4.5	5.0	5.0	0.5
122	0.0012	6.0	8.5	3.5	3.5	5.0	0.5	6.5	8.5	4.0	3.5	5.0	0.5	7.8	10.0	4.5	5.0	5.0	0.5
152	0.0015	6.0	8.5	3.5	3.5	5.0	0.5	7.5	8.5	4.0	3.5	5.0	0.5	7.8	10.0	4.5	5.0	5.0	0.5
182	0.0018	6.0	8.5	3.5	3.5	5.0	0.5	6.0	8.5	4.0	3.5	5.0	0.5	8.0	10.5	4.5	5.0	5.0	0.5
222	0.0022	6.0	8.5	3.5	3.5	5.0	0.5	6.3	8.5	4.0	3.5	5.0	0.5	8.0	10.5	4.5	5.0	5.0	0.5
272	0.0027	6.0	8.5	3.5	3.5	5.0	0.5	6.5	8.5	4.0	3.5	5.0	0.5	7.5	13.0	4.5	5.0	5.0	0.5
332	0.0033	6.0	8.5	3.5	3.5	5.0	0.5	7.0	8.5	4.0	3.5	5.0	0.5	7.5	13.0	4.5	5.0	5.0	0.5
392	0.0039	6.0	8.5	3.5	3.5	5.0	0.5	7.0	10.0	4.0	3.5	5.0	0.5	8.0	13.0	5.0	5.0	5.0	0.5
472	0.0047	6.0	8.5	3.5	3.5	5.0	0.5	7.5	10.5	4.0	3.5	5.0	0.5	8.5	13.0	5.0	5.0	5.0	0.5
562	0.0056	6.0	8.5	3.5	3.5	5.0	0.5	8.0	11.0	4.5	3.5	5.0	0.5	8.5	13.5	5.0	5.0	5.0	0.5
682	0.0068	6.0	8.5	3.5	3.5	5.0	0.5	8.0	11.0	5.0	3.5	5.0	0.5	9.0	13.5	5.0	5.0	5.0	0.5
822	0.0082	7.0	9.5	4.0	3.5	5.0	0.5	8.0	11.0	5.5	3.5	5.0	0.5	9.0	13.5	5.0	5.0	5.0	0.5
103	0.010	7.0	9.5	4.0	3.5	5.0	0.5	8.5	11.0	5.5	3.5	5.0	0.5	0.5	13.5	5.0	5.0	5.0	0.5
123	0.012	7.5	10.5	4.0	5.0	5.0	0.5												
153	0.015	7.5	10.5	4.5	5.0	5.0	0.5												
183	0.018	8.0	11.0	5.0	5.0	5.0	0.5												
223	0.022	8.0	11.0	5.0	5.0	5.0	0.5												
273	0.027	9.0	12.0	5.5	7.5	5.0/7.5	0.5												
333	0.033	9.0	12.0	5.5	7.5	5.0/7.5	0.5												
393	0.039	10.0	13.0	6.0	7.5	5.0/7.5	0.5												
473	0.047	10.0	13.0	6.0	7.5	5.0/7.5	0.5												
563	0.056	11.0	14.0	6.0	7.5	5.0/7.5	0.5												
683	0.068	11.0	14.0	6.5	7.5	5.0/7.5	0.5												
823	0.082	11.5	14.0	7.0	7.5	5.0/7.5	0.5												
104	0.10	12.0	14.0	7.5	7.5	5.0/7.5	0.5												
124	0.12	13.0	14.0	8.0	7.5	5.0/7.5	0.5												
154	0.15	14.0	19.5	7.5	10.0	5.0/7.5	0.6												
184	0.18	15.0	19.5	7.5	10.0	5.0/7.5	0.6												
224	0.22	15.0	19.5	8.0	10.0	5.0/7.5	0.6												

When using our capacitors, please consider the application notes and contact Nissei for any additional technical specifications relating to the limits of our performance characteristics.