

HACE Series



• Maximum operating temperature 105° C.

•A little hum is produced when applied AC voltage.

•Tab : 4 terminals

♦ SPECIFICATIONS

Items	Characteristics									
Category temperature range	-40 to +105℃									
Rated voltage range	630Vdc, 1250Vdc, 1600Vdc, 2000Vdc									
Capacitance tolerance	±5%(J)									
Voltage proof	No degradation, at 150% of rated voltage shall be applied for 60 seconds.									
(Terminal - Terminal)										
Dissipation factor	No more than 0.05% : Equal or less than 1µF.									
(tan∂)	No more than (c×0.015+0.05)% : More than 1μ F.									
Insulation resistance	No less than $30000M\Omega$: Equal or less than 0.33μ F.									
(Terminal - Terminal)	No less than $10000\Omega F$: More than $0.33\mu F$.									
	Rated voltage (Vdc) 630 1250 2000									
	Measurement voltage (Vdc) 500 1000 1000									
Endurance	The following specifications shall be satisfied, after 1000hrs with applying rated voltagex125% at 105℃.									
	Appearance	No serious degradation								
	Insulation resistance	No less than 10000M Ω : Equal or less than 0.33 $\mu F.$								
	(Terminal - Terminal)	No less than 3000 ΩF : More than 0.33 $\mu F.$								
	Dissipation factor (tan δ)	Not more than initial specification at 1kHz.								
	Capacitance change	Within $\pm 5\%$ of initial value.								
Loading under damp	The following specifications shall be satisfied, after 500hrs with applying rated voltage at $40^{\circ}C$ 90° 95% RH.									
heat	Appearance	No serious degradation.								
	Insulation resistance	No less than 10000M Ω : Equal or less than 0.33 $\mu F.$								
	(Terminal - Terminal)	No less than 3000 ΩF : More than 0.33 $\mu F.$								
	Dissipation factor (tanδ)	Not more than initial specification at 1kHz.								
	Capacitance change	Within $\pm 5\%$ of initial value.								

STANDARD RATINGS

WV (Vdc)	Cap (μF)	Dimensions (mm)			Maximum	WV	Part Number	
		w	н	т	Р	(Arms)	(Vac)	
630	0.47	18.5	26.1	24.9	16.5	10.5	300	FHACE631N474J0A0S0
	0.68	23.5	25.3	24.1	21.5	11.1		FHACE631N684J1A1S0
	1.0		29.8	28.3		13.5		FHACE631N105J1A1S0
	1.5	28.5	31.5	30.0	26.5	13.5		FHACE631N155J2A2S0
1250	0.47	28.5	29.1	27.7	26.5	10.1	400	FHACE1C2N474J2A2S0
	0.68		34.5	32.8		12.0		FHACE1C2N684J2A2S0
	1.0	43.5	30.8	29.3	41.5	12.0		FHACE1C2N105J4A4S0
	1.5	53.5	32.5	31.0	51.5	13.5		FHACE1C2N155J5A5S0
1600	0.27	28.5	30.2	28.8	26.5	9.6	450	FHACE162N274J2A2S0
	0.33		33.2	31.6		10.6		FHACE162N334J2A2S0
2000	0.18	00.5	30.8	29.3	00.5	8.8	450	FHACE202N184J2A2S0
	0.22 28.5	33.8	32.2	20.5	9.7	400	FHACE202N224J2A2S0	

(1)The maximum ripple current : $+85^{\circ}$ C max, 100KHz, sine wave

(2)WV(Vac) : 50Hz or 60Hz, sine wave

DIMENSIONS



All products featured in this catalog, which were manufactured by NIPPON CHEMI-CON CORPORATION, are now manufactured by TAITSU CORPORATION, and have been since April 2024.