

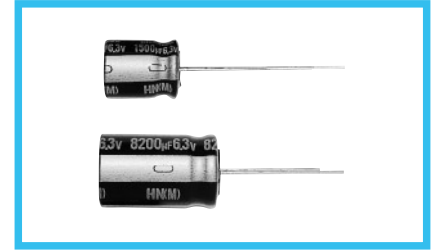
ALUMINUM ELECTROLYTIC CAPACITORS

nichicon

HN Ultra Low Impedance,
For PC motherboard
series



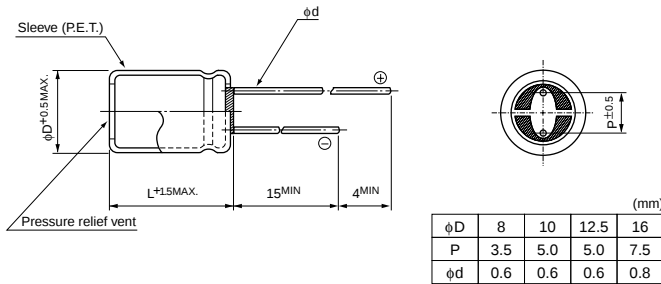
- Lower impedance than HM series.
- Compliant to the RoHS directive (2002/95/EC).



Specifications

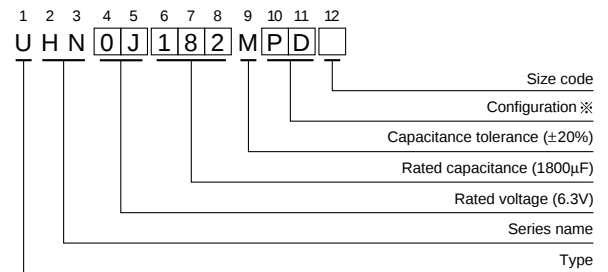
Item	Performance Characteristics			
Category Temperature	- 25 to +105°C			
Rated Voltage Range	6.3 to 16V			
Rated Capacitance Range	330 to 8200µF			
Capacitance Tolerance	±20% (120Hz, 20°C)			
Leakage Current	After 2 minutes' application of rated voltage, leakage current is less than 0.03CV			
Tangent of loss angle (tan δ)	For capacitance of more than 1000µF, add 0.02 for every increase of 1000µF			
	Rated voltage (V)	6.3	10	16
Stability at Low Temperature	tan δ (MAX.)	0.22	0.19	0.16
	Rated voltage (V)	6.3	10	16
Endurance	Impedance ratio ZT / Z20 (MAX.)	3	3	3
	Z-25°C / Z+20°C	3	3	3
Marking	The specifications listed at right shall be met when the capacitors are restored to 20°C after D.C. bias plus rated ripple current is applied for 2000 hours at 105°C, the peak voltage shall not exceed the rated voltage.			
	Printed with gold color on black sleeve.			

Radial Lead Type



	8	10	12.5	16
φD	8	10	12.5	16
P	3.5	5.0	5.0	7.5
φd	0.6	0.6	0.6	0.8

Type numbering system (Example : 6.3V 1800µF)



* Configuration	
φ D	Pb-free leadwire Pb-free PET sleeve
8 - 10	PD
12.5 - 16	HD

- Please refer to page 20 about the end seal configuration.

Standard Ratings

V (Code)		6.3 (0J)			10 (1A)			16 (1C)		
Cap. (µF)	Item	Case size φD × L (mm)	Impedance (mΩ) MAX. 20°C / 100kHz	Rated ripple (mArms) 105°C / 100kHz	Case size φD × L (mm)	Impedance (mΩ) MAX. 20°C / 100kHz	Rated ripple (mArms) 105°C / 100kHz	Case size φD × L (mm)	Impedance (mΩ) MAX. 20°C / 100kHz	Rated ripple (mArms) 105°C / 100kHz
330	331							8 × 11.5	21	1300
470	471				8 × 11.5	21	1300	8 × 11.5	21	1300
560	561	8 × 11.5	21	1300				▲ 10 × 12.5	18	1760
680	681				8 × 11.5	21	1300	10 × 12.5	18	1760
820	821	8 × 11.5	21	1300	▲ 10 × 12.5	18	1760	● 8 × 20	12	2220
1000	102	8 × 15	20	1700	○ 10 × 12.5	18	1760	○ 10 × 16	11	2280
1200	122	▲ 10 × 12.5	18	1760	● 10 × 16	11	2280	▲ 8 × 20	12	2220
1500	152	10 × 15	20	1700	○ 8 × 20	12	2220	● 10 × 20	10	2900
1800	182	8 × 15	20	1700	10 × 16	11	2280	10 × 20	10	2900
2200	222	10 × 12.5	18	1760	10 × 16	11	2280			
2700	272	▲ 8 × 20	12	2220	▲ 8 × 20	12	2220	10 × 20	10	2900
3300	332	● 10 × 16	11	2280				10 × 25	9	3190
4700	472	10 × 16	11	2280	10 × 20	10	2900	▲ 12.5 × 20	9	3190
5600	562	10 × 20	10	2900	12.5 × 20	9	3190	12.5 × 25	8	3370
8200	822	▲ 12.5 × 20	9	3190	12.5 × 25	8	3370	16 × 25	7	3610

- ▲ : In this case, [6] will be put at 12th digit of type numbering system.
- : In this case, [3] will be put at 12th digit of type numbering system.
- : In this case, [9] will be put at 12th digit of type numbering system.

CAT.8100Y