

# ALUMINUM ELECTROLYTIC CAPACITORS

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
 Http://www.100y.com.tw



**HN** Ultra Low Impedance,  
 For PC motherboard  
 series



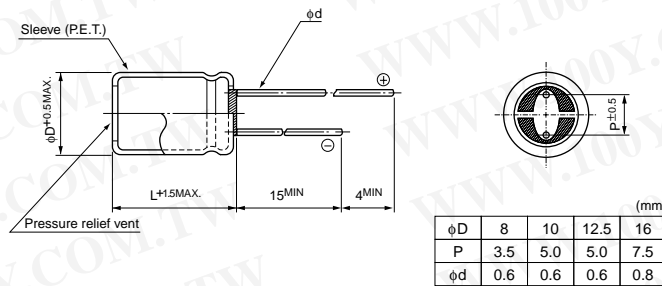
- Lower impedance than HM series.
- Compliant to the RoHS directive (2002/95/EC).



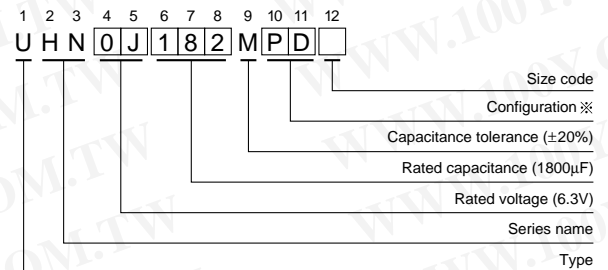
## Specifications

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	120Hz 20°C
	tan δ (MAX.)	0.22	0.19	0.16	
Stability at Low Temperature	Rated voltage (V)	6.3	10	16	120Hz
	Impedance ratio ZT / Z20 (MAX.)	Z-25°C / Z+20°C	3	3	3
Endurance	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.				
	Capacitance change	Within ±30% of the initial capacitance value			
	tan δ	200% or less than the initial specified value			
Marking	Leakage current	Less than or equal to the initial specified value			
	Printed with gold color on black sleeve.				

## Radial Lead Type



## 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

Cap. (µF)	V (Code)	Item Code	6.3 (0J)			10 (1A)			16 (1C)		
			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	8 × 15	20	1700	○ 8 × 20	12	2220	● 10 × 20	10	2900
1800		182	10 × 15	18	1760	10 × 16	11	2280	10 × 20	10	2900
2200		222	▲ 8 × 20	12	2220	▲ 8 × 20	12	2220	10 × 25	9	3190
2700		272	● 10 × 16	11	2280	10 × 20	10	2900	▲ 12.5 × 20	9	3190
3300		332	10 × 20	10	2900	▲ 12.5 × 20	9	3190	▲ 12.5 × 25	8	3370
4700		472	10 × 25	9	3190	12.5 × 20	9	3190	12.5 × 25	8	3370
5600		562	▲ 12.5 × 20	9	3190	12.5 × 25	8	3370	16 × 25	7	3610
8200		822	16 × 25	7	3610						

Please refer to page 20, 21, 22 about the formed or taped product spec.  
 Please refer to page 4 for the minimum order quantity.

▲ : 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