

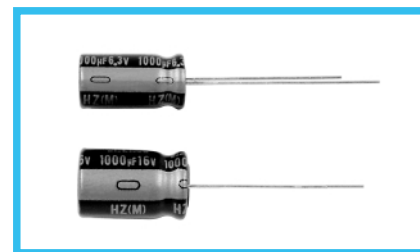
ALUMINUM ELECTROLYTIC CAPACITORS

nichicon

HZ Ultra Low Impedance,
For PC motherboard
series



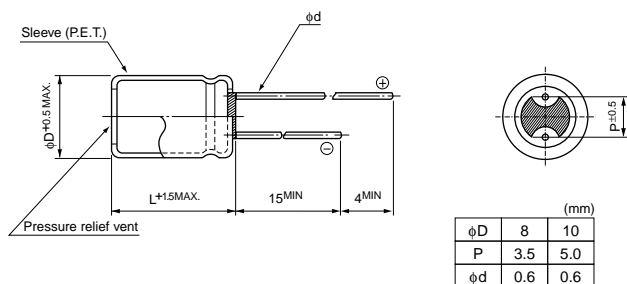
- Lower impedance than HN series.
- Compliant to the RoHS directive (2002/95/EC).



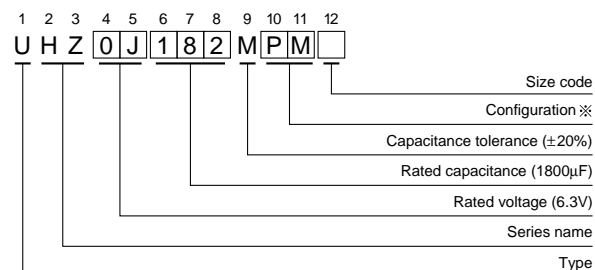
Specifications

Item	Performance Characteristics							
Category Temperature	-25 to +105°C							
Rated Voltage Range	6.3 to 16V							
Rated Capacitance Range	470 to 3300μF							
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	Printed with gold color on black sleeve.							
					Leakage current	Less than or equal to the initial specified value		

Radial Lead Type



Type numbering system (Example : 6.3V 1800μF)



※ Configuration

φ D	Pb-free leadwire Pb-free PET sleeve
8 - 10	PM

Standard Ratings

Cap. (μF)	Code	Item	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
470	471										
680	681										
820	821										
1000	102		8 × 15	14	2210						
		▲ 10 × 12.5	12	2280	● 10 × 16	10	2960	▲ 8 × 20	9	2880	
1200	122		8 × 15	14	2210						
		▲ 10 × 12.5	12	2280	○ 8 × 20	9	2880	● 10 × 16	10	2960	
1500	152		8 × 20	9	2880						
		● 10 × 16	10	2960	▲ 8 × 20	9	2880	10 × 20	7	3770	
1800	182		10 × 16	10	2960						
		▲ 8 × 20	9	2880	10 × 20	7	3770	10 × 25	6.5	4140	
2200	222		10 × 16	10	2960						
		● 10 × 20	7	3770	10 × 25	6.5	4140				
2700	272		10 × 20	7	3770						
3300	332		10 × 25	6.5	4690						

▲ : 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

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