

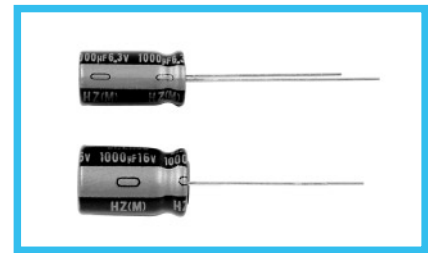
ALUMINUM ELECTROLYTIC CAPACITORS



HZ Ultra Low Impedance,
For PC motherboard
series



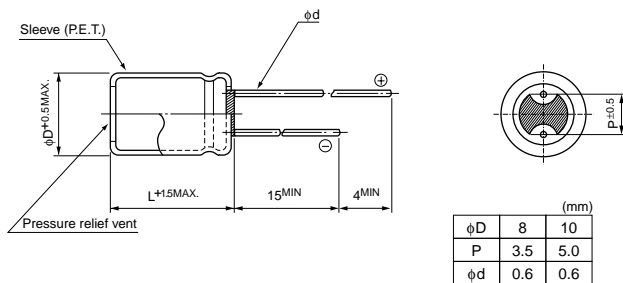
- Lower impedance than HN series.
- Compliant to the RoHS directive (2002/95/EC).



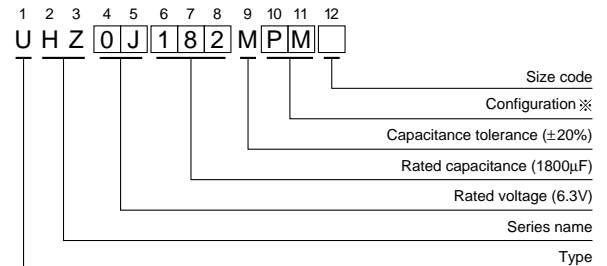
Specifications

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					
Stability at Low Temperature	tan δ (MAX.)	0.22	0.19	0.16	120Hz					
	Rated voltage (V)	6.3	10	16						
Endurance	Impedance ratio ZT / Z20 (MAX.)	Z-25°C / Z+20°C	3	3	3					
	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.		<table border="1"> <tr> <td>Capacitance change</td> <td>Within ±30% of the initial capacitance value</td> </tr> <tr> <td>tan δ</td> <td>200% or less than the initial specified value</td> </tr> <tr> <td>Leakage current</td> <td>Less than or equal to the initial specified value</td> </tr> </table>			Capacitance change	Within ±30% of the initial capacitance value	tan δ	200% or less than the initial specified value	Leakage current
Capacitance change	Within ±30% of the initial capacitance value									
tan δ	200% or less than the initial specified value									
Leakage current	Less than or equal to the initial specified value									
Marking	Printed with gold color letter 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	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				▲ 10 × 12.5	12	2288	▲ 10 × 12.5	12	2280	
820	821				▲ 10 × 12.5	12	2280	● 8 × 20	9	2880	
1000	102	▲ 10 × 12.5	12	2280	● 10 × 16	10	2960	○ 10 × 16	10	2960	
		▲ 10 × 12.5	12	2280	● 10 × 16	10	2960	▲ 8 × 20	9	2880	
1200	122	▲ 10 × 12.5	12	2280	○ 8 × 20	9	2880	● 10 × 20	7	3770	
		▲ 10 × 16	10	2960	▲ 8 × 20	9	2880	● 10 × 20	7	3770	
1500	152	▲ 10 × 16	10	2960	▲ 10 × 20	7	3770	10 × 20	7	3770	
		▲ 8 × 20	9	2880	▲ 10 × 20	7	3770	10 × 20	7	3770	
1800	182	▲ 10 × 16	10	2960	▲ 10 × 20	7	3770	10 × 25	6.5	4140	
		▲ 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	
		● 10 × 20	7	3770	▲ 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.8100Z