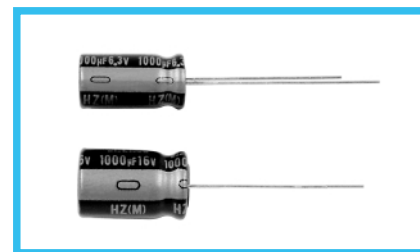


ALUMINUM ELECTROLYTIC CAPACITORS

HZ Ultra Low Impedance,
For PC motherboard
series



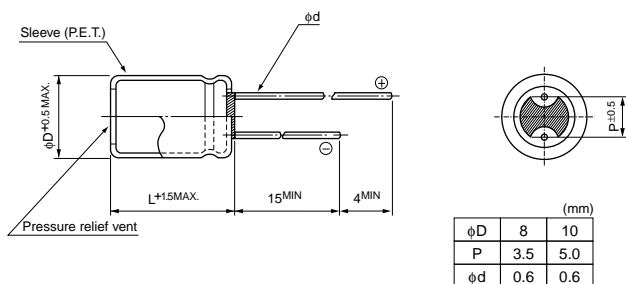
- Lower impedance than HN series.
- Compliant to the RoHS directive (2002/95/EC).



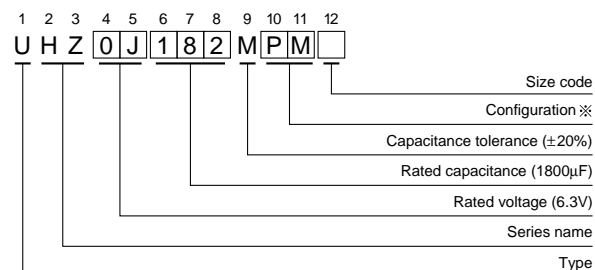
Specifications

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			
	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	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				● 8 × 20			● 8 × 20	9	2880
1000	102	▲ 10 × 12.5	12	2280	○ 10 × 16	10	2960	○ 10 × 16	10	2960
1200	122	8 × 15	14	2210	10 × 12.5	12	2280	10 × 12.5	12	2280
1500	152	▲ 10 × 12.5	12	2280	10 × 16	10	2960	10 × 16	10	2960
1800	182	▲ 10 × 16	10	2960	8 × 20	9	2880	▲ 8 × 20	9	2880
2200	222	● 10 × 16	10	2960	10 × 20	7	3770	● 10 × 20	7	3770
2700	272	10 × 20	7	3770	10 × 25	6.5	4140	10 × 25	6.5	4140
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.