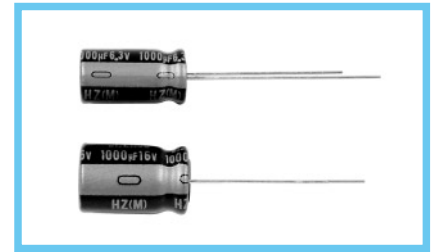


HZ Ultra Low Impedance,
For PC motherboard
series



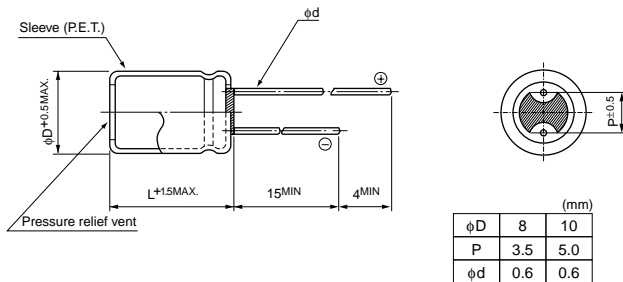
- Lower impedance than HN series.
- Adapted to the RoHS directive (2002/95/EC).



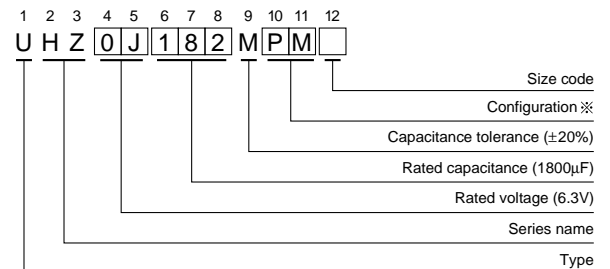
Specifications

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	
	Rated voltage (V)	6.3	10	16	120Hz
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.				
Marking	Printed with gold color on black sleeve.				
	Capacitance change	Within ±30% of initial value			
	tan δ	200% or less of initial specified value			
	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	V (Code)			6.3 (0J)			10 (1A)			16 (1C)		
		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		
470	471												
680	681							▲ 10 × 12.5	12	2288	▲ 10 × 12.5	12	2280
820	821							● 10 × 16	10	2960	● 10 × 16	10	2960
1000	102		8 × 15	14	2210			○ 8 × 20	9	2880	○ 10 × 16	10	2960
1200	122		▲ 10 × 12.5	12	2280			▲ 10 × 16	10	2960	▲ 10 × 16	10	2960
1500	152		● 10 × 16	10	2960			● 8 × 20	9	2880	● 8 × 20	9	2880
1800	182		▲ 8 × 20	9	2880			● 10 × 20	7	3770	● 10 × 20	7	3770
2200	222		○ 10 × 16	10	2960			○ 10 × 20	7	3770			
2700	272		▲ 10 × 20	7	3770								
3300	332		○ 10 × 20	7	3770								
			○ 10 × 25	6.5	4690								

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.