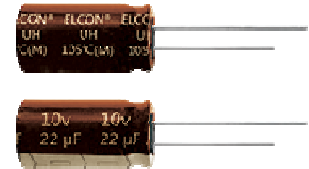


UH

Series

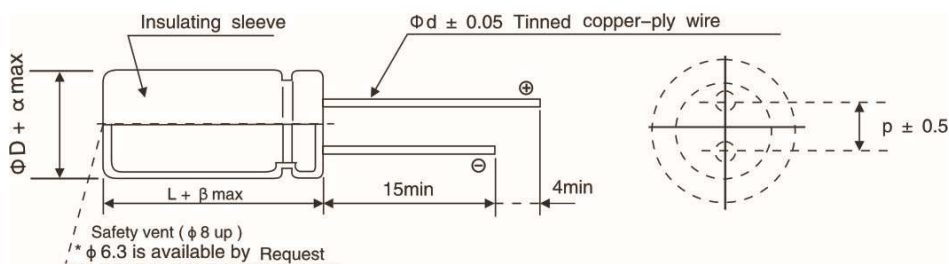
● 105°C 5mm height



SPECIFICATIONS

Item	Characteristics							
Category Temperature Range	-40 ~ +105℃							
Voltage Range	6.3 ~ 50V.DC							
Nominal Cap. Range	0.1 ~ 100μF							
Capacitance Tolerance	± 20 % (at 120Hz , 20℃)							
Leakage Current	I=0.01CV or 3 (μA) , whichever is greater (After 2 minutes). where, I: max.leakage current (μA), C:Nominal capacitance (μF), V: Rated voltage (V) (at 20℃)							
Dissipation Factor (MAX) (tanδ) (at 120Hz, 20℃)	WV	6.3	10	16	25	35	50	
	tanδ	0.28	0.24	0.20	0.16	0.13	0.12	
Low Temp.Impedance Stability at 120Hz	WV		6.3	10	16	25	35	50
	Z-25℃ / Z+20℃		3	3	2	2	2	2
	Z-40℃ / Z+20℃		8	5	4	3	3	3
Endurance	After applying rated voltage with max ripple current for 1000 hours at 105℃, the capacitor shall meet the following requirements.							
	Capacitance change			≤ ±25% of the initial value				
	Dissipation Factor			≤200% of the initial specified value				
	Leakage Current			≤ the initial specified value				
Shelf Life	After storage for 500 hours at 105℃ with no voltage applied,voltage treatment of JIS-C-5102 article 4-4 is to be given and then measurement shall be made, at which time requirements specified in the table "High Temperature Loading" can be met.							

DRAWING



Unit: (mm)

ΦD	4	5	6.3
P	1.5	2.0	2.5
Φd	0.45		
β	1.0		
α	0.5		

MULTIPLIER FOR RIPPLE CURRENT

(1) Frequency Coefficient

Freq.(Hz) Cap.(µF)	60(50)	120	1K	10K	100K
0.1~47	0.80	1.00	1.20	1.30	1.50
100~220	0.80	1.00	1.35	1.35	1.65

(2) Temperature Coefficient

Ambient Temperature(°C)	65	85	105
Coefficient	2.10	1.70	1.00

UH Series

STANDARD RATINGS

WV(vdc) Parameter Cap (μF)	6.3		10		16		25		35		50	
	ΦDxL (mm)	Ripple Current (mA _{RMS}) 105°C 120Hz	ΦDxL (mm)	Ripple Current (mA _{RMS}) 105°C 120Hz	ΦDxL (mm)	Ripple Current (mA _{RMS}) 105°C 120Hz	ΦDxL (mm)	Ripple Current (mA _{RMS}) 105°C 120Hz	ΦDxL (mm)	Ripple Current (mA _{RMS}) 105°C 120Hz	ΦDxL (mm)	Ripple Current (mA _{RMS}) 105°C 120Hz
0.1											4x5	1
0.22											4x5	2
0.33											4x5	3
0.47											4x5	4
1.0											4x5	8
2.2											4x5	13
3.3											4x5	14
4.7									4x5	17	5x5	18
10					4x5	20	5x5	22	5x5	24	6.3x5	28
22	4x5	23	5x5	28	5x5	31	6.3x5	44	6.3x5	48		
33	5x5	30	5x5	34	6.3x5	48	6.3x5	48				
47	5x5	37	6.3x5	52	6.3x5	56						
100	6.3x5	57	6.3x5	60	6.3x5	67						