

PRODUCT CODE • SNAP-IN ALUMINUM ELECTROLYTIC CAPACITORS

Snap-in type example:

UJ series • 470µF • 450V • ±20% • Ø 30mm • L 45mm • 2-pin • 6mm pin length



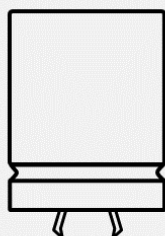
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
U	J	4	7	1	M	4	5	0	O	4	5	0	A	P	6	-	-	-	-
Series		Capacitance			Capacitance tolerance	Voltage			Case Ø (mm)	Height (mm)			Type code	Terminals		Special requirement			
Code	µF				Code	Volt		Code	ØD	Code	H		Code	Type		Code	Special		
100	10				H	±5	6R3	6.3	L	20	150	15	A	Without lead treatment		U	PE mat packaging Ø20 to Ø25mm		
220	22				K	±10	010	10	M	22	200	20	E	With lead treatment		X	AEC-Q200		
101	100				S	±15	016	16	N	25	250	25							
561	560				M	±20	025	25	O	30	300	30							
102	1000				N	±30	035	35	P	35	350	35							
472	4700				D	±40	050	50	Q	40	400	40							
103	10000				I	+5 to +20	063	63	U	42	450	45							
683	68000				B	0 to -20	080	80	V	45	500	50							
104	100000				G	0 to +10	100	100			550	55							
					Z	0 to +20	160	160			600	60							
					Y	0 to +30	180	180			650	65							
					X	0 to +40	200	200			700	70							
					A	0 to +50	220	220			750	75							
					J	-5 to +20	250	250			800	80							
					C	-5 to +30	315	315			850	85							
					E	-8 to +5	350	350			900	90							
					V	-10 to +20	385	385			950	95							
					Q	-10 to +30	400	400			A00	100							
					T	-10 to +50	420	420			A05	105							
					W	-20 to +10	450	450											
					P	-15 to +20	500	500											
					L	-25 to +20	550	550											
					U	-30 to 0	575	575											
					F	-35 to 0	600	600											
					O	-50 to 0	630	630											

See datasheet for reference

Please consult CapXon for further assistance

MARKING • SNAP-IN ALUMINUM ELECTROLYTIC CAPACITORS

Aluminum Electrolytic Capacitor • Snap-In type



CapXon: Manufacturer trademark
 470µF: Nominal capacitance
 450V: Rated voltage
 (-) polarity (Cathode indicate)
 UJ: Series
 VENT: Safety vent
 105°C: Maximum operating temperature
 X: AEC-Q200
 191213: Production datecode
 year/month/day
 (ex. 2019/December/13th)

Side view

Top view
(Datecode on top)

Back view
(Datecode on backside)

Standard type

AEC-Q200 type



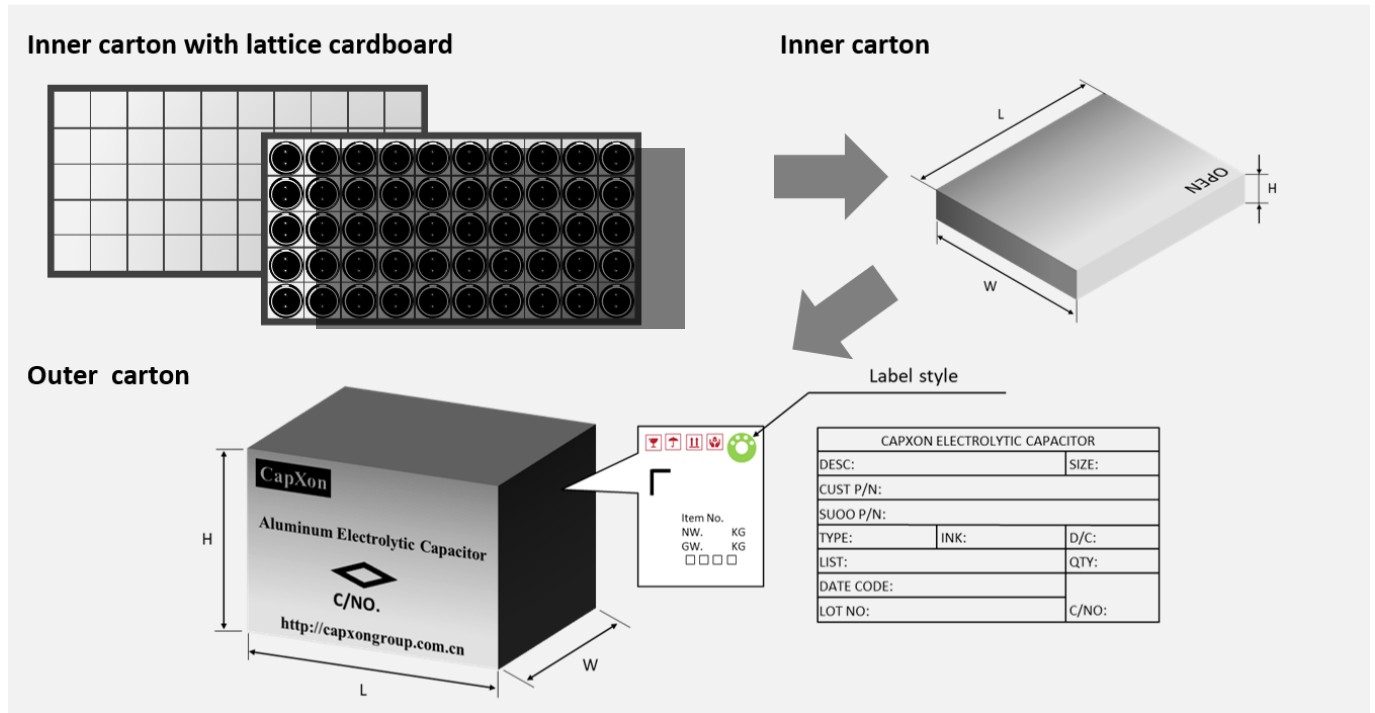
Products without insulation disc on top
or on customer request



PACKAGING • SNAP-IN ALUMINUM ELECTROLYTIC CAPACITORS

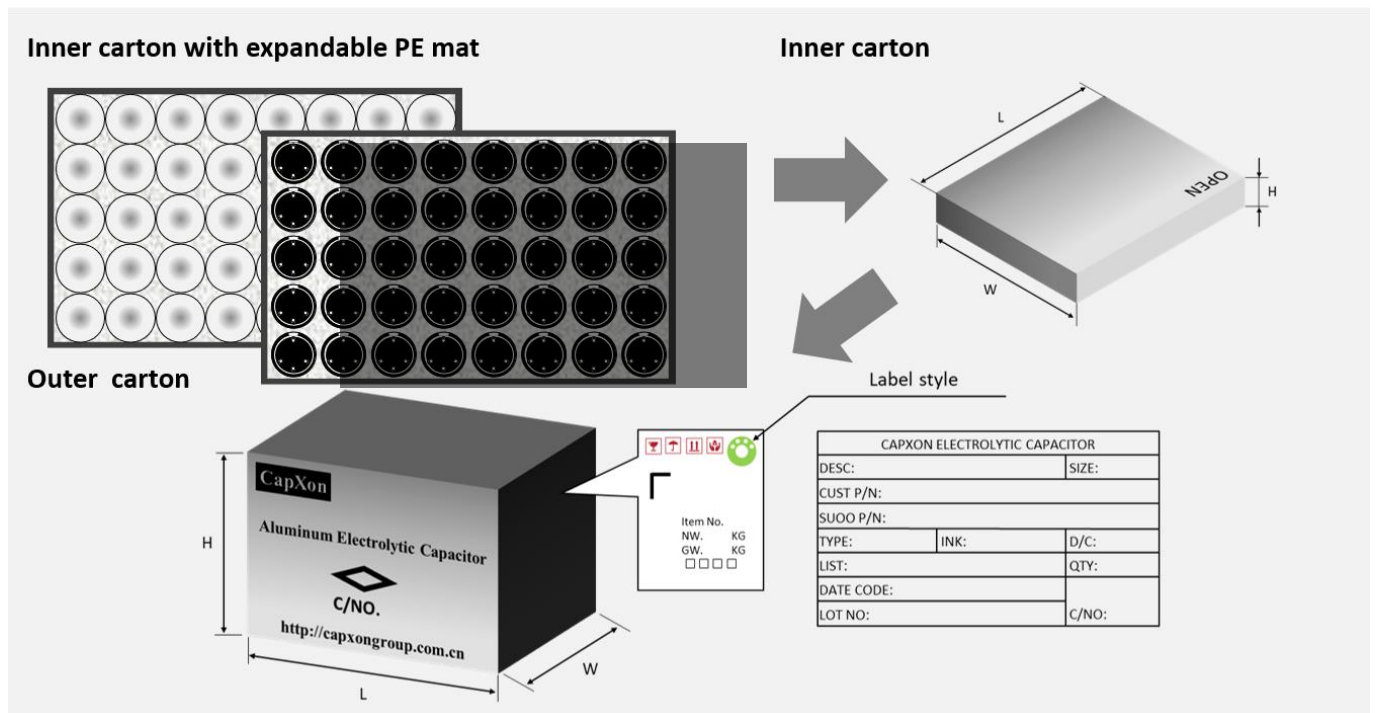
Inner carton with lattice cardboard. Standard for diameter 20mm, 22mm and 25mm.

Packaging method: Lattice cardboard in the inner carton, covered with conductive PE film layer on the products to discharge the electrolytic capacitors. Cardboard cover on top to avoid product shaking.



Inner carton with expandable PE mat. Standard for diameter 30mm, 35mm, 40mm, 45mm and 50mm*.

Packing method: Expandable PE mat in the inner carton, covered with conductive PE film layer on the products to discharge the electrolytic capacitors. Expandable PE layer on top to avoid product shaking.



* For smaller diameters, see ordering information "special requirement" in the product code.

PACKAGING ▪ SNAP-IN ALUMINUM ELECTROLYTIC CAPACITORS

Inner carton with lattice cardboard.



Ø D (mm)	Length L (mm)	Terminal length H (mm)	Inner box quantity (pcs)	Inner box size L x W x H (mm)	Outer box quantity (pcs)	Outer box size L x W x H (mm)	Country of origin	Tariff number
20	≤ 25		100	268 x 265 x 38	600	560 x 280 x 135	China	85322200
	27 to 35	< 6 (L=35)	100	268 x 265 x 48	600	560 x 275 x 167	China	85322200
	35	≥ 6	100	268 x 265 x 64	600	560 x 275 x 208	China	85322200
	40 to 51		100	268 x 265 x 64	600	560 x 275 x 208	China	85322200
22	≤ 25		100	268 x 265 x 38	600	560 x 280 x 135	China	85322200
	27 to 35	< 6 (L=35)	100	268 x 265 x 48	600	560 x 275 x 167	China	85322200
	35	≥ 6	100	268 x 265 x 64	600	560 x 275 x 208	China	85322200
	40 to 51		100	268 x 265 x 64	600	560 x 275 x 208	China	85322200
	55 to 61		100	268 x 265 x 90	400	560 x 275 x 208	China	85322200
	65 to 75		100	268 x 265 x 90	400	560 x 275 x 208	China	85322200
25	≤ 25		100	295 x 293 x 38	500	310 x 308 x 211	China	85322200
	26 to 35	< 6 (L=35)	100	295 x 293 x 48	500	315 x 313 x 258	China	85322200
	35	≥ 6	100	295 x 293 x 64	500	310 x 308 x 340	China	85322200
	40 to 51		100	295 x 293 x 64	500	310 x 308 x 340	China	85322200
	55 to 61		100	295 x 293 x 72	500	310 x 308 x 383	China	85322200
	65 to 75		100	295 x 293 x 90	400	310 x 308 x 383	China	85322200

PACKAGING ▪ SNAP-IN ALUMINUM ELECTROLYTIC CAPACITORS

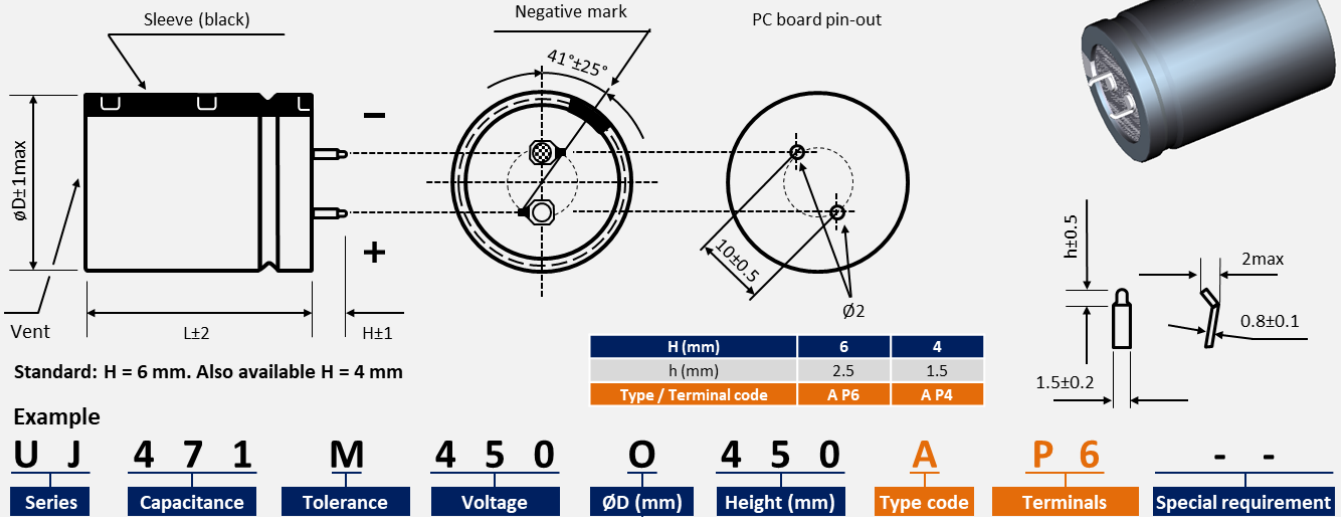
Inner carton with expandable PE mat.



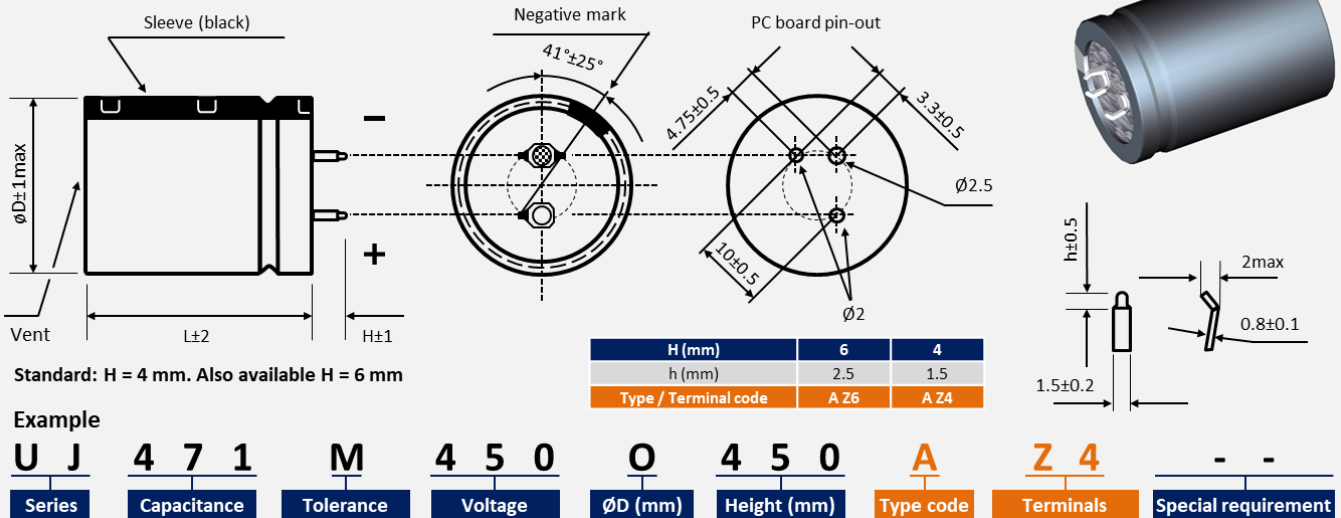
Ø D (mm)	Length L (mm)	Inner box quantity (pcs)	Inner box size L x W x H (mm)	Outer box quantity (pcs)	Outer box size L x W x H (mm)	Country of origin	Tariff number
20	≤ 30	100	325 x 325 x 48	500	345 x 345 x 260	China	85322200
	35 to 47	100	325 x 325 x 64	500	345 x 345 x 340	China	85322200
	50 to 65	100	325 x 325 x 80	400	345 x 345 x 340	China	85322200
	70 to 80	100	325 x 325 x 95	400	345 x 345 x 400	China	85322200
22	≤ 30	100	325 x 325 x 48	500	345 x 345 x 260	China	85322200
	35 to 47	100	325 x 325 x 64	500	345 x 345 x 340	China	85322200
	50 to 65	100	325 x 325 x 80	400	345 x 345 x 340	China	85322200
	70 to 80	100	325 x 325 x 95	400	345 x 345 x 400	China	85322200
25	≤ 30	100	325 x 325 x 48	500	345 x 345 x 260	China	85322200
	35 to 47	100	325 x 325 x 64	500	345 x 345 x 340	China	85322200
	50 to 65	100	325 x 325 x 80	400	345 x 345 x 340	China	85322200
	70 to 80	100	325 x 325 x 95	400	345 x 345 x 400	China	85322200
30	≤ 30	50	447 x 230 x 48	300	480 x 470 x 164	China	85322200
	35 to 47	50	447 x 230 x 64	300	480 x 470 x 212	China	85322200
	50 to 65	50	447 x 230 x 80	200	475 x 465 x 180	China	85322200
	70 to 80	50	447 x 230 x 96	150	467 x 250 x 308	China	85322200
	85 to 95	50	447 x 230 x 110	100	467 x 250 x 240	China	85322200
35	≤ 30	50	447 x 230 x 48	300	480 x 470 x 164	China	85322200
	35 to 47	50	447 x 230 x 64	300	480 x 470 x 212	China	85322200
	50 to 65	50	447 x 230 x 80	200	475 x 465 x 180	China	85322200
	70 to 80	50	447 x 230 x 96	150	467 x 250 x 308	China	85322200
	85 to 95	50	447 x 230 x 110	100	467 x 250 x 240	China	85322200
40	35 to 65	40	390 x 285 x 80	80	590 x 410 x 100	China	85322200
	70 to 80	40	390 x 285 x 95	80	590 x 410 x 115	China	85322200
	85 to 105	40	390 x 285 x 115	80	590 x 410 x 130	China	85322200
45	35 to 65	35	390 x 285 x 80	70	590 x 410 x 100	China	85322200
	70 to 80	35	390 x 285 x 95	70	590 x 410 x 115	China	85322200
	85 to 105	35	390 x 285 x 115	70	590 x 410 x 130	China	85322200
50	50 to 59	NA	NA	70	510 x 340 x 180	China	85322200
	60 to 65	NA	NA	70	510 x 340 x 200	China	85322200
	70 to 100	NA	NA	35	510 x 340 x 120	China	85322200

AVAILABLE TERMINALS ▪ SNAP-IN ALUMINUM ELECTROLYTIC CAPACITORS

Snap-In type ▪ PP version ▪ 2-pin ▪ standard type ▪ $\varnothing D = 20$ to 45mm



Snap-In type ▪ ZP version ▪ 3-pin ▪ polarity protection ▪ $\varnothing D = 20$ to 45mm



AVAILABLE TERMINALS ▪ SNAP-IN ALUMINUM ELECTROLYTIC CAPACITORS

Snap-In type ▪ YP version ▪ Multi-pin ▪ polarity protection ▪ $\varnothing D = 30$ to 45mm

Side view dimensions: $\varnothing D \pm 1 \text{ max}$, Vent, $L \pm 2$, $H \pm 1$.
 Top view dimensions: Negative mark, PC board pin-out, 22.5 ± 0.5 , $4 - \varnothing 2$, 60° , 60° .
 Bottom view dimensions: $h \pm 0.5$, 2 max , 0.8 ± 0.1 , 1.5 ± 0.2 .

H (mm)	6	4
h (mm)	2.5	1.5
Type / Terminal code	A Y6	A Y4

Standard: H = 6 mm. Also available H = 4 mm

Example

Series	Capacitance	Tolerance	Voltage	$\varnothing D$ (mm)	Height (mm)	Type code	Terminals	Special requirement
U J	4 7 1	M	4 5 0	O	4 5 0	A	Y 6	- -

Snap-In type ▪ LP version ▪ slim terminal ▪ $\varnothing D = 20$ to 45mm

Side view dimensions: $\varnothing D \pm 1 \text{ max}$, Vent, $L \pm 2$, $H \pm 1$, 0.9.
 Top view dimensions: Negative mark, PC board pin-out, $2 - \varnothing 2$, 3.2 ± 0.2 .
 Bottom view dimensions: 3.2 ± 0.2 .

H (mm)	9.5	4
Type / Terminal code	A L9	A L4

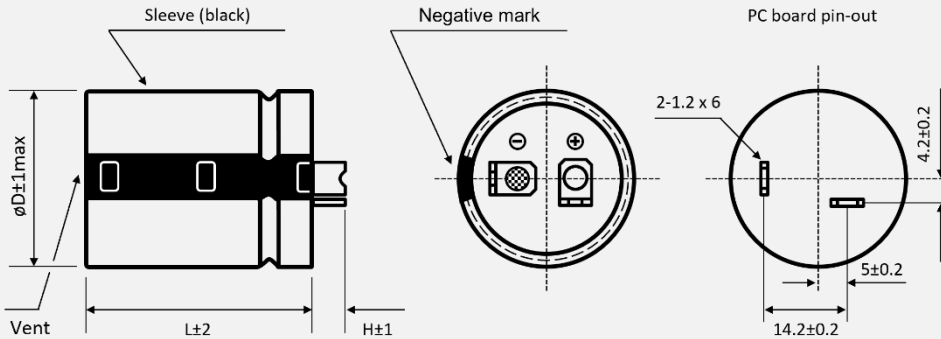
Standard: H = 9.5 mm. Also available H = 4 mm

Example

Series	Capacitance	Tolerance	Voltage	$\varnothing D$ (mm)	Height (mm)	Type code	Terminals	Special requirement
U J	4 7 1	M	4 5 0	O	4 5 0	A	L 9	- -

AVAILABLE TERMINALS ▪ SNAP-IN ALUMINUM ELECTROLYTIC CAPACITORS

Snap-In type ▪ **CP** version ▪ lug type ▪ T type ▪ $\varnothing D = 30$ to 45mm



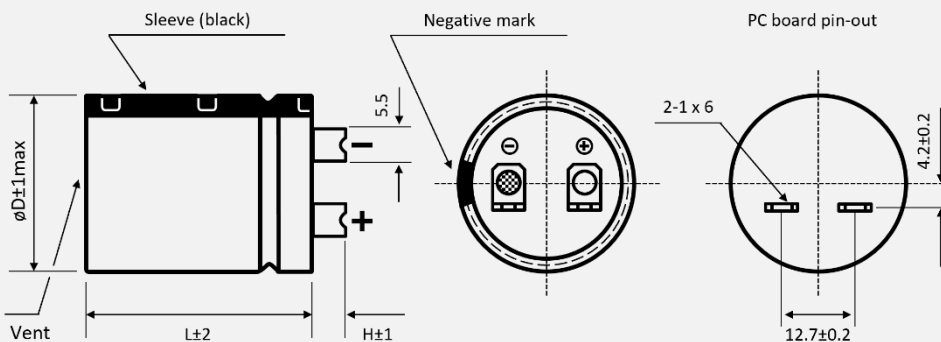
Standard: H = 4.5 mm. Also available H = 5.5 mm

H (mm)	5.5	4.5
Type / Terminal code	A C5	A C4

Example

U J	4 7 1	M	4 5 0	O	4 5 0	A	C 4	- -
Series	Capacitance	Tolerance	Voltage	$\varnothing D$ (mm)	Height (mm)	Type code	Terminals	Special requirement

Snap-In type ▪ **HP** version ▪ lug type ▪ U type ▪ $\varnothing D = 30$ to 45mm



Standard: H = 6 mm

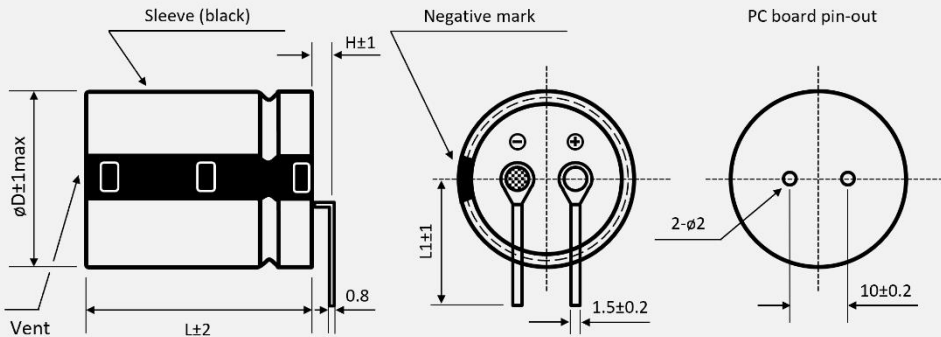
H (mm)	6
Type / Terminal code	A H6

Example

U J	4 7 1	M	4 5 0	O	4 5 0	A	H 6	- -
Series	Capacitance	Tolerance	Voltage	$\varnothing D$ (mm)	Height (mm)	Type code	Terminals	Special requirement

AVAILABLE TERMINALS ▪ SNAP-IN ALUMINUM ELECTROLYTIC CAPACITORS

Snap-In type ▪ **TP** version ▪ long terminal ▪ cathode right side ▪ $\varnothing D = 20$ to 45mm



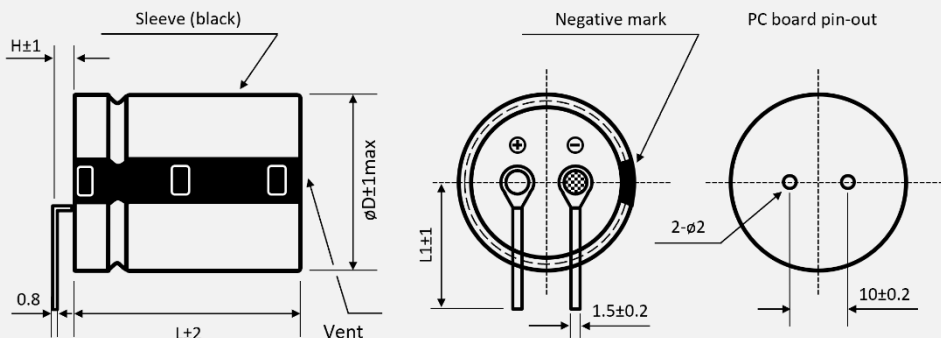
Standard: H = 2.5 mm

H (mm)	2.5
Type / Terminal code	E CR

Example

U J	4 7 1	M	4 5 0	O	4 5 0	E	C R	- -
Series	Capacitance	Tolerance	Voltage	ØD (mm)	Height (mm)	Type code	Terminals	Special requirement

Snap-In type ▪ **TP** version ▪ long terminal ▪ cathode left side ▪ $\varnothing D = 20$ to 45mm



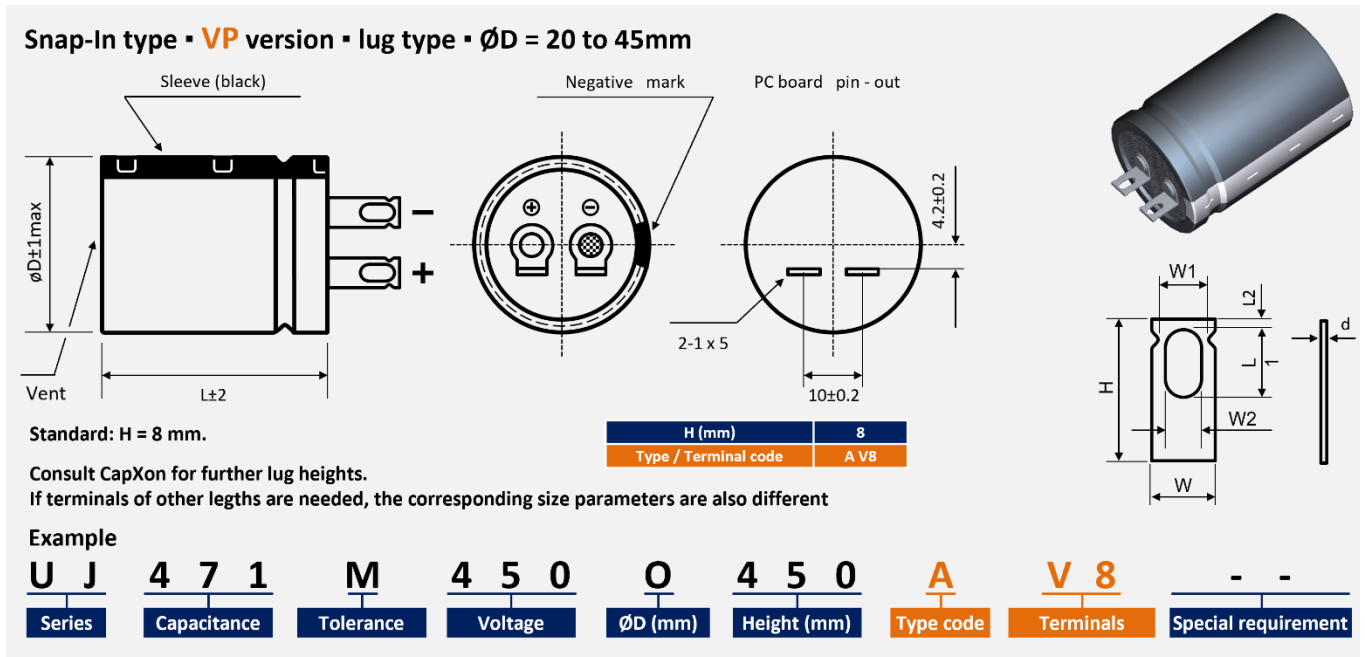
Standard: H = 2.5 mm

H (mm)	2.5
Type / Terminal code	E CL

Example

U J	4 7 1	M	4 5 0	O	4 5 0	E	C L	- -
Series	Capacitance	Tolerance	Voltage	ØD (mm)	Height (mm)	Type code	Terminals	Special requirement

AVAILABLE TERMINALS ▪ SNAP-IN ALUMINUM ELECTROLYTIC CAPACITORS



H ± 0.5	ØD	L1 ± 0.1	L2 ± 0.2	W ± 0.2	W1 ± 0.2	W2 ± 0.2	d ± 0.1
8	25	3.5	1	4.6	3.7	2	0.8
	30	3.5	1	4.6	3.7	2	0.8
	35	3.5	1	4.6	3.7	2	0.8
	40	3.5	1	4.6	3.7	2	0.8
	45	3.5	1	4.6	3.7	2	0.8