ALP/T 20/22 Series 85°C



- Solder tag (ALT) and DIN standard solder pin (ALP)
- Long Life 26000 hours at 85 °C (Ur, Ir applied)
- ALC snap-in should be considered for new designs

APPLICATION

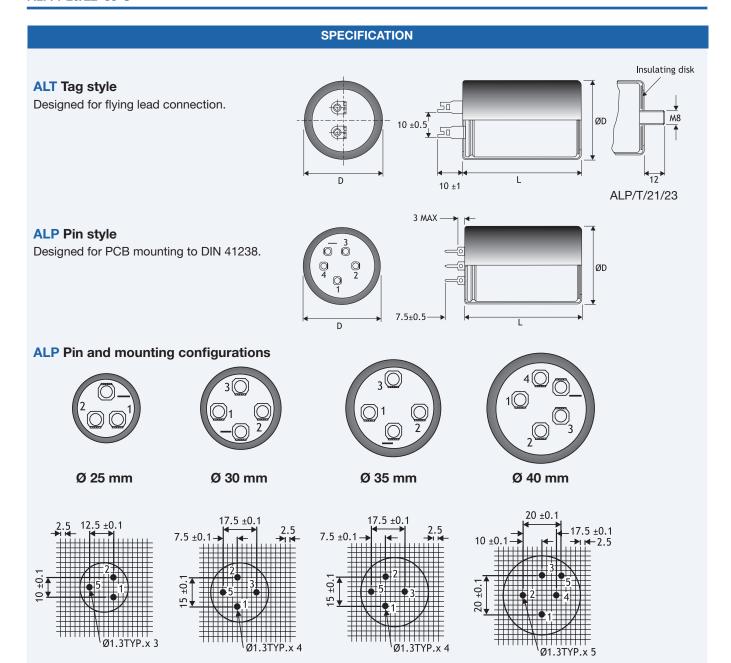
It should be pointed out that the ALP, solder pin, ranges are an older design and as such should not be considered for any new applications. Details are incorporated here, primarily, for maintenance/replacement purposes.

BASIC DESIGN

The ALP/T20 features low ESR, high ripple The ALP/T22 has the same features as the frequency impedence.

current ratings and outstandingly good high ALP/T20 series but with a very high CV per

	SPECIFICATION				
Standards	IEC 60384-4, DIN 41238, BS CECC 30301-033 (ALP/T20 only)				
Capacitance range	22 – 150000 μF				
Capacitance tolerance	-10 to +30% ALP/T 20 (except 200V ±20%) -20 to +20% ALP/T 22				
Rated voltage U _R	40 - 450 VDC				
Surge voltage U _s	1.15 x U_R (for $U_R \le 250$ VDC) 1.10 x U_R (for $U_R \ge 350$ VDC)	Test Condition: ≤ 30s surge, 1000 cycles @ 85°C			
Leakage current I _L	= 0.006 x C_R x U_R (μ A) or 6mA whichever is the smaller. Note, C_R is in μ F.	Test Condition: U _R , 5mins., 20°C			
Operational life time +85°C, U _R , I _R	Can Diameter 25 12000 hrs 30 15000 hrs 35 18000 hrs 40 26000 hrs	End of Life requirement:			
Shelf Life	2000 hrs at 0V +85°C, or 30000 hrs at 0V +40°C				
Temperature range	-40 to +85°C (Operating) -55°C to +105°C (Sto	orage)			



Printed circuit board hole positions, viewed from component side.

Connections: Hole 1 represents +ve, Hole 5 represents -ve. Terminals 2,3 and 4 may be at negative terminal potential due to the presence of electrolyte. They are intended for mechanical connections only. It is recommended that they are soldered to the printed circuit board. Additional dummy pins are provided for stability. Note that the case and dummy pins may be at negative terminal potential.

Dimensions (sleeved) mm

Case Code	D ±1	L ±2	Mounting Clip for Alt Style	Weight grams nom.	
AA	25	35	V2/H1	30	
AB	25	45	V2/H1	39	
BB	30	45	-	50	
СВ	35	45	V3/H2	65	
CD	35	55	V3/H2	75	
DB	40	45	V9	80	
DD	40	55	V9	95	
DE	40	75	V9	125	
DF	40	105	V9	170	



Can size (mm) / rating data - ALP/T20 series

	40	62		ated Voltage		400	450
Cap μF	40	63	100	200	250	400	450
22							25x35
33							25x35
47						25x35	25x35
68						25x45	25x45
100					25x35	30x45	30x45
150				25x35	25x45	35x45	35x55
220				25x45	30x45	35x55 / 40x45	40x55
330				30x45	35x45	40x55	40x75
470			25x35	35x45	35x55 / 40x45	40x75	40x105
680			25x45	35x55 / 40x45	40x55	40x105	
1000		25x35	30x45	40x55	40x75		
1500	25x35	25x45	35x45	40x75	40x105		
2200	25x45	30x45	35x55 / 40x45	40x105			
3300	30x45	35x45	40x55				
4700	35x45	35x55 / 40x45	40x75				
6800	35x55 / 40x45	40x55	40x105				
10000	40x55	40x75					
15000	40x75	40x105					
22000	40x105						

Can size (mm) / rating data - ALP/T22 series

			Ra	ated Voltage	U _s		
	40	63	100	200	ີ 250	385	450
Cap μF							
47							25x35
68						25x35	25x45
100					25x35	25x45	30x45
150				25x35	25x45	30x45	35x45
220				25x45	30x45	35x45	35x55 / 40x45
330				30x45	35x45	35x55 / 40x45	40x55
470				35x45	35x55 / 40x45	40x55	40x75
680			25x35	35x55 / 40x45	40x55	40x75	40x105
1000			25x45	40x55	40x75	40x105	
1500			30x45	40x75	40x105		
2200		25x35	35x45	40x105			
3300	25x35	25x45	35x55 / 40x45				
4700	25x45	30x45	40x55				
6800	30x45	35x45	40x75				
10000	35x45	35x55 / 40x55	40x105				
15000 3	5x55 / 40x45	5 40x75					
22000	40x55	40x105					
33000	40x75						
47000	40x105						

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute – and we specifically disclaim – any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.