

Application Note

DC Link Capacitor Solutions

Capacitor Products Linking DC Voltages

Aluminum Snap-in

- Extended Life
- High Ripple Capability
- Multi-pin Configuration
- Compact Design
- Base Cooling Design

Aluminum Screw Terminal

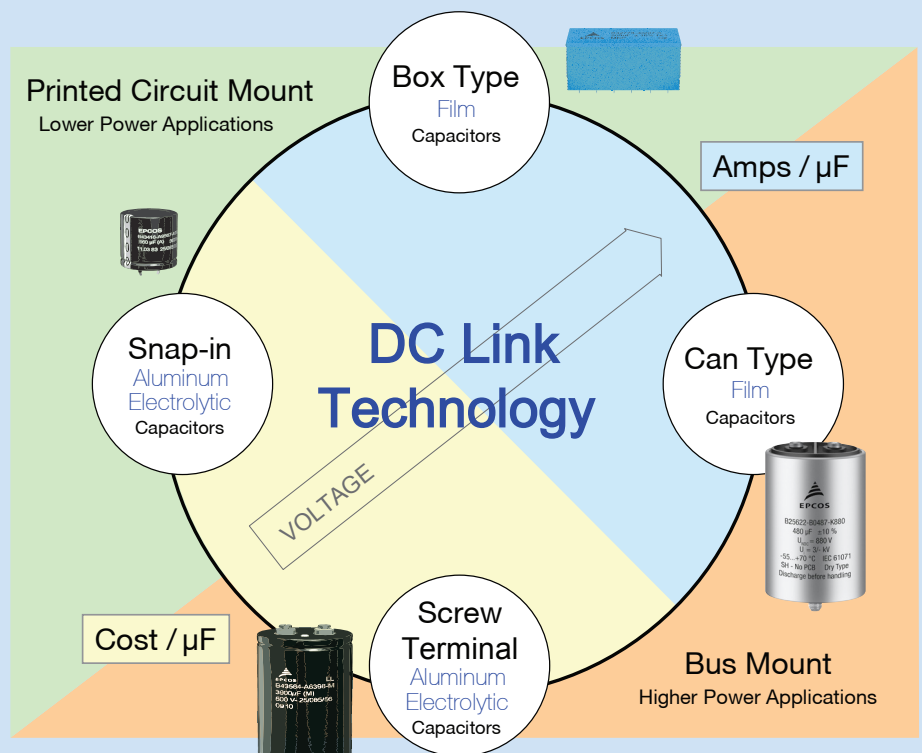
- High Current
- High Voltage
- Low Inductive Design
- Slot Terminal Tab
- Base Cooling Design

Film Box Type

- High Capacitance
- High Power
- Box and Brick Types
- Broad Voltage Ranges
- High Temperature Type

Film Can Type

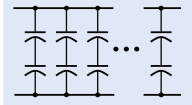
- High Capacity
- High Current
- Broad Voltage Ranges
- Custom Designs Available



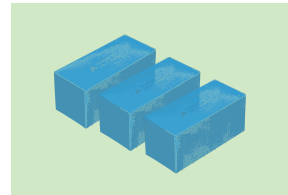
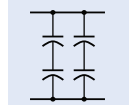
Examples



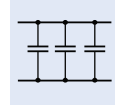
5,600µF / 900V Solution
 B43543A5567 (560µF / 450V)
 <> 2 series x 20 parallel = 40 pieces
 <> 60 Arms



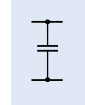
5,600µF / 900V Solution
 B43740A5568 (5,600µF / 450V)
 <> 2 series x 2 parallel = 4 pieces
 <> 62 Arms



630µF / 900V Solution
 B32778J9217 (210µF / 900V)
 <> 3 parallel
 <> 198 Arms



700µF / 900V Solution
 B25620B0707 (700µF / 900V)
 <> 1 piece
 <> 70 Arms



Product Guide

Product Guide					500 W	5,000 W	50,000 W	> 150,000 W
Series		Technical Data	Features	Type				
Aluminum Electrolytic Snap-in								
Radial		C_R : 47...2,200µF; V_R : 10...450V	85°C ... 150°C, ≤100V	B418xx	•	•		
			85°C ... 125°C, ≥160V	B438xx	•	•		
Snap-in		C_R : 39...68,000µF; V_R : 10...600V	85°C ... 105°C, ≤100V	B41505, B41231	•	•		
			85°C ... 105°C, ≥160V	B435xx	•	•		
4 Pin Snap-in		C_R : 330...3,300µF; V_R : 350...500V	85°C ... 105°C, ≥350V	B43515	•	•		
High Temperature		C_R : up to 27,000µF; V_R : 25, 63V	Automotive grade; Large size	B4160x	•			
			Elefantino / Soldering Star	B417xx	•			
Aluminum Electrolytic Screw Terminal								
Extra Long Life		C_R : 560...5,300µF; V_R : 350...450V	105°C; 8,000H	B43750, B43770			•	•
		C_R : 1,000...18,000µF; V_R : 350...500V	100°C; 6,000H	B43740, B43760			•	•
High Voltage		C_R : 1,200...6,800µF; V_R : 600V	85°C; 6,000H	B43700, B43320			•	•
High Ripple Capability		C_R : 820...33,000µF; V_R : 200...500V	85°C; 15,000H	B43564, B43584			•	•
Extremely Compact		C_R : 560...18,000µF; V_R : 350...550V	85°C; 12,000H	B43456, B43458			•	•
Film Box Type								
Compact		C_R : 0.068...2.2µF; V_R : 450...630V; I_R : 1...6A	125°C; LS: 10,15, 22.5mm; 2 pin configuration	B32671P...B32673P	•			
High Power		C_R : 0.47...60µF; V_R : 300...875V; I_R : 5...23A	105°C; LS: 27.5,37.5,52.5mm; 2 & 4 pin configuration	B32674...B32678	•	•		
High Density		C_R : 1.5...480µF; V_R : 450...1300V; I_R : 4.4...79.5A	105°C; LS: 27.5,37.5,52.5mm; 2,4,12 pin configuration	B32774, B32776, B32778		•	•	
Round Board Mount		C_R : 50...260µF; V_R : 350...1100V	Round can; board mount	B32350I		•		
Film Can Type								
High Capacity Round Can		C_R : 40...1500µF; V_R : 700...1980V; I_R : 35...80A	LS: 32,35,45,50mm; Male or Female Terminal; Bolt Mount	B2562x			•	•
Low Profile Round Can		C_R : 50...400µF; V_R : 500...1200V; I_R : 50...65A	LS: 45mm; Male or Female Terminal; Pedestal Mount	B2563x			•	•
IGBT Mount		C_R : 50...3000µF; V_R : 200...1000V	Custom Configuration	B25655			•	•