

# Film Capacitors for Power Electronics

## EJ Series

**NEW**

Maintenance free, long life capacitor with safety mechanism  
 Dry type designed for small size (Approximately 60% smaller than previous products)

### Features

- Resin-molded type with safety mechanism
- Low Temperature ( - 40°C ) and high temperature / high humidity (85°C, 85%RH, 1000h) environments
- Maintenance-free (Long life, high reliability)
- RoHS Compliant = Environmentally friendly (oil-less)

### Applications

- DC Filtering / Smoothing  
 Railway-car(For main circuit inverters, auxiliary power supply inverters, etc.)  
 Power electronics, Motor control devices, Power conversion equipment (For main circuit inverters, etc.)  
 Environment related equipment (Wind and Solar power systems)



### Specifications

Item		Performance Characteristics
Installation location		For indoor use
Category Temperature Range		- 40°C to +75°C (Maximum Internal Element Temperature +85°C )
Capacitance tolerance		± 10% at 20°C
Withstanding Voltage	Between terminals	Rated Voltage × 1.5VDC at 10 seconds, 20°C
	Between terminals and case	Rated Voltage × $\frac{2}{\sqrt{2}}$ + 1000(minimum 2000 VAC at 10 seconds, 20°C)
Insulation Resistance	Between terminals and case	more than 1000MΩ(at 1000VDC, 20°C)
Capacitor losses		Less than 0.2% at 60Hz, 100VAC, 20°C
Reference standards		JEM 1419 (2000) (Power electronic capacitors)

In addition, the standard is based on JEM 1419 (Power electronic capacitors).

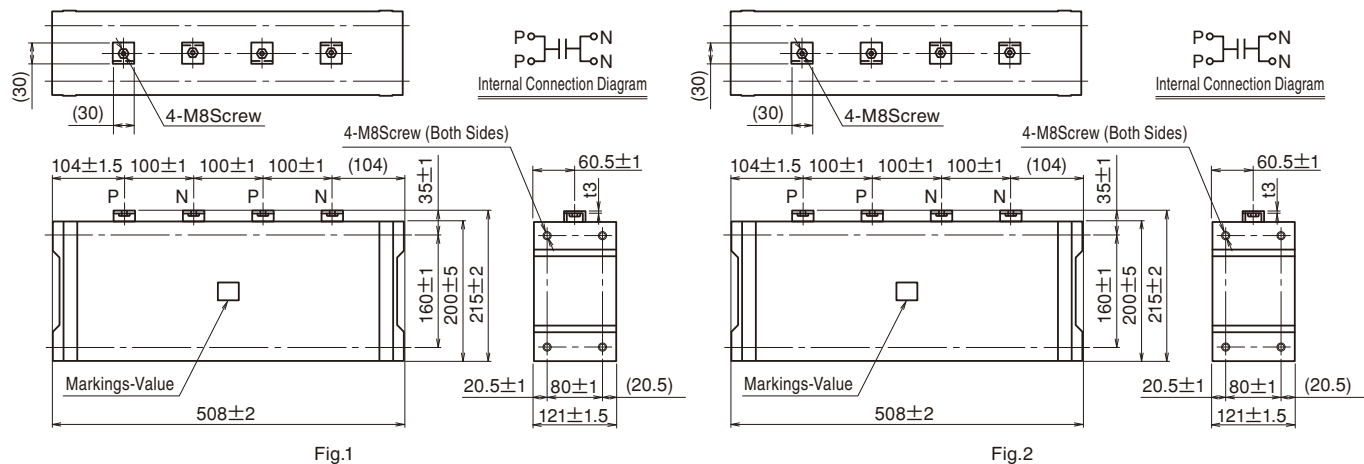
※ If using the product outside the specifications mentioned above, please contact your local Nichicon sales office.

### Standard ratings

Rated voltage (VDC)	Capacitance (μF)	Rated Current (Arms)	Part Number	Dimensions (mm)			Approximate Mass (kg)	
				Fig	W	D		H
750	13000	200	EJ751133DYU □□□□	Fig.1	508	121	200	17
1000	7500	200	EJ102752DYU □□□□	Fig.1				
1500	3300	150	EJ152332DYU □□□□	Fig.1				
2000	1850	80	EJ202182DYU □□□□	Fig.2				
3000	800	70	EJ302801DYU □□□□	Fig.2				

The blank of a part number is to be filled with its corresponding serial number issued by Nichicon. Feel free to ask us if you have questions.  
 The above-mentioned specification is an example. Please ask if you have any ratings other than the above-mentioned.

### Drawing



**Design, Specifications are subject to change without notice.**