

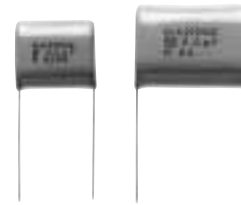


**THE DATASHEET OF  
ECH-A18205JX**



=Equipped with a Safety Mechanism=  
Metallized Polyester/Polypropylene Film Capacitor

Type: **ECHAX**



Non-inductive construction, Flame-retardant epoxy resin dipped enclosure

### ■ Features

- ◆ Excellent safety characteristics
- ◆ Flame-retardant epoxy resin coating
- ◆ Small and compact

### ■ Recommended Applications

- ◆ Motor running
- ◆ Fluorescent lamp ballast

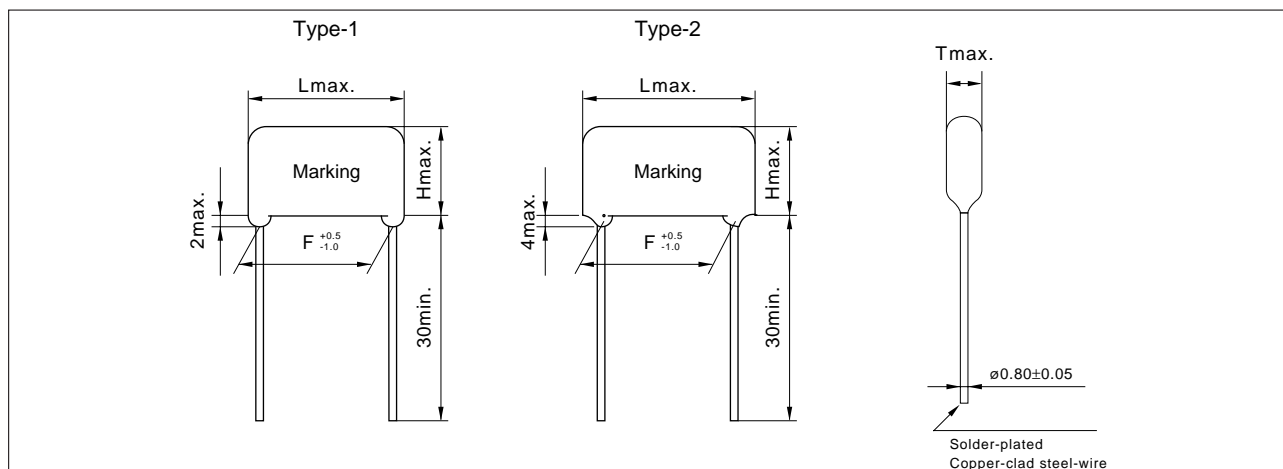
### ■ Explanation of Part Numbers

1	2	3	4	5	6	7	8	9	10	11	12
E	C	H	A						J	X	
Product code	Dielectric & construction		Rated voltage			Capacitance			Cap Tol.	Suffix	

### ■ Specifications

Permissible temp. range	-25 to +70°C
Rated voltage	180VAC, 200VAC, 220VAC, 250VAC, 430VAC
Capacitance range	0.5 to 6.0μF
Capacitance tolerance	±5%(J)
Dissipation factor	0.4%max. (20°C 50/60Hz)
Withstand voltage	Between terminals : Rated volt. (V.AC)×175% 60s Between terminals to enclosure : 2000VAC 60s
Insulation resistance	Between terminals : 1000Ω · Fmin. (20°C 100VDC 60s) Between terminals to enclosure : 1000MΩmin.(20°C 500 VDC 60s)

### ■ Dimensions in mm (not to scale)



■ Rating & Dimensions

● Rated voltage : 180VAC

Part No.	Cap. ( $\mu$ F)	Dimensions (mm)				Type
		L <sup>max.</sup>	T <sup>max.</sup>	H <sup>max.</sup>	F	
ECHA18504JX	0.5	26.5	7.5	16.5	22.5	1
ECHA18604JX	0.6	26.5	8.0	17.0	22.5	1
ECHA18704JX	0.7	26.5	8.5	17.5	22.5	1
ECHA18804JX	0.8	26.5	9.0	18.0	22.5	1
ECHA18904JX	0.9	26.5	9.5	18.5	22.5	1
ECHA18105JX	1.0	26.5	8.5	17.5	22.5	1
ECHA18125JX	1.2	26.5	9.0	18.0	22.5	1
ECHA18155JX	1.5	26.5	10.0	19.5	22.5	1
ECHA18185JX	1.8	26.5	11.0	20.5	22.5	1
ECHA18205JX	2.0	26.5	11.5	21.0	22.5	1
ECHA18225JX	2.2	26.5	12.0	21.5	22.5	1
ECHA18255JX	2.5	26.5	13.0	22.5	22.5	1
ECHA18285JX	2.8	26.5	13.5	23.0	22.5	1
ECHA18305JX	3.0	26.5	14.0	24.0	22.5	1
ECHA18355JX	3.5	31.5	13.5	23.0	27.5	1
ECHA18405JX	4.0	31.5	14.5	24.0	27.5	1
ECHA18455JX	4.5	31.5	15.5	25.0	27.5	1
ECHA18505JX	5.0	31.5	16.5	26.0	27.5	1
ECHA18555JX	5.5	37.0	15.5	25.0	32.5	1
ECHA18605JX	6.0	37.0	16.5	25.5	32.5	1

● Rated voltage : 200VAC

Part No.	Cap. ( $\mu$ F)	Dimensions (mm)				Type
		L <sup>max.</sup>	T <sup>max.</sup>	H <sup>max.</sup>	F	
ECHA20504JX	0.5	26.5	7.5	16.5	22.5	1
ECHA20604JX	0.6	26.5	8.0	17.0	22.5	1
ECHA20704JX	0.7	26.5	8.5	17.5	22.5	1
ECHA20804JX	0.8	26.5	9.0	18.0	22.5	1
ECHA20904JX	0.9	26.5	9.5	18.5	22.5	1
ECHA20105JX	1.0	26.5	9.0	18.0	22.5	1
ECHA20125JX	1.2	26.5	10.0	19.5	22.5	1
ECHA20155JX	1.5	26.5	11.0	20.5	22.5	1
ECHA20185JX	1.8	26.5	12.0	21.5	22.5	1
ECHA20205JX	2.0	26.5	13.0	22.0	22.5	1
ECHA20225JX	2.2	26.5	13.5	23.0	22.5	1
ECHA20255JX	2.5	26.5	14.5	24.0	22.5	1
ECHA20285JX	2.8	31.5	13.5	22.5	27.5	1
ECHA20305JX	3.0	31.5	13.5	23.0	27.5	1
ECHA20355JX	3.5	31.5	15.5	24.5	27.5	1
ECHA20405JX	4.0	31.5	16.5	25.5	27.5	1
ECHA20455JX	4.5	37.0	15.5	25.0	32.5	1
ECHA20505JX	5.0	37.0	16.5	26.0	32.5	1
ECHA20555JX	5.5	37.0	17.0	26.5	32.5	1
ECHA20605JX	6.0	37.0	18.0	27.5	32.5	1

■ Rating & Dimensions

● Rated voltage : 220VAC

Part No.	Cap. ( $\mu$ F)	Dimensions (mm)				Type
		L <sub>max.</sub>	T <sub>max.</sub>	H <sub>max.</sub>	F	
ECHA22504JX	0.5	26.5	8.0	17.0	22.5	1
ECHA22604JX	0.6	26.5	8.5	17.5	22.5	1
ECHA22704JX	0.7	26.5	9.0	18.0	22.5	1
ECHA22804JX	0.8	26.5	9.5	19.0	22.5	1
ECHA22904JX	0.9	26.5	10.5	19.5	22.5	1
ECHA22105JX	1.0	26.5	10.0	19.5	22.5	1
ECHA22125JX	1.2	26.5	11.0	20.5	22.5	1
ECHA22155JX	1.5	26.5	12.0	21.5	22.5	1
ECHA22185JX	1.8	26.5	13.5	22.5	22.5	1
ECHA22205JX	2.0	26.5	14.0	23.5	22.5	1
ECHA22225JX	2.2	31.5	13.0	22.0	27.5	1
ECHA22255JX	2.5	31.5	13.5	23.0	27.5	1
ECHA22285JX	2.8	31.5	14.5	24.5	27.5	1
ECHA22305JX	3.0	31.5	15.5	25.0	27.5	1
ECHA22355JX	3.5	31.5	16.5	26.0	27.5	1
ECHA22405JX	4.0	37.0	16.0	25.5	32.5	1
ECHA22455JX	4.5	37.0	17.0	26.5	32.5	1
ECHA22505JX	5.0	37.0	18.0	27.5	32.5	1
ECHA22555JX	5.5	37.0	19.0	28.0	32.5	1
ECHA22605JX	6.0	37.0	19.5	29.5	32.5	1

● Rated voltage : 250VAC

Part No.	Cap. ( $\mu$ F)	Dimensions (mm)				Type
		L <sub>max.</sub>	T <sub>max.</sub>	H <sub>max.</sub>	F	
ECHA25504JX	0.5	26.5	9.5	18.5	22.5	1
ECHA25604JX	0.6	26.5	10.5	19.5	22.5	1
ECHA25704JX	0.7	26.5	11.0	20.5	22.5	1
ECHA25804JX	0.8	26.5	12.0	21.0	22.5	1
ECHA25904JX	0.9	26.5	12.5	22.0	22.5	1
ECHA25105JX	1.0	26.5	12.0	21.5	22.5	1
ECHA25125JX	1.2	26.5	13.0	22.5	22.5	1
ECHA25155JX	1.5	31.5	13.0	22.0	27.5	1
ECHA25185JX	1.8	31.5	14.0	23.5	27.5	1
ECHA25205JX	2.0	31.5	15.0	24.5	27.5	1
ECHA25225JX	2.2	31.5	16.0	25.5	27.5	1
ECHA25255JX	2.5	31.5	17.0	26.5	27.5	1
ECHA25285JX	2.8	37.0	16.0	25.5	32.5	1
ECHA25305JX	3.0	37.0	16.5	26.0	32.5	1
ECHA25355JX	3.5	37.0	18.0	27.5	32.5	1
ECHA25405JX	4.0	37.0	19.5	29.0	32.5	1
ECHA25455JX	4.5	40.5	19.0	29.0	30.0	2
ECHA25505JX	5.0	40.5	20.0	30.0	30.0	2
ECHA25555JX	5.5	40.5	21.0	31.0	30.0	2
ECHA25605JX	6.0	40.5	22.0	32.0	30.0	2



■ Rating & Dimensions

● Rated voltage : 430VAC

Part No.	Cap. ( $\mu$ F)	Dimensions (mm)				Type
		L <sup>max.</sup>	T <sup>max.</sup>	H <sup>max.</sup>	F	
ECHA43504JX	0.5	31.5	13.5	23.0	27.5	1
ECHA43604JX	0.6	31.5	15.5	25.0	27.5	1
ECHA43704JX	0.7	31.5	16.5	26.0	27.5	1
ECHA43804JX	0.8	37.0	15.5	25.0	32.5	1
ECHA43904JX	0.9	37.0	16.5	26.0	32.5	1
ECHA43105JX	1.0	37.0	17.5	27.0	32.5	1
ECHA43125JX	1.2	37.0	19.0	28.5	32.5	1
ECHA43155JX	1.5	40.5	20.0	29.5	30.0	2
ECHA43185JX	1.8	45.5	20.0	30.0	35.0	2
ECHA43205JX	2.0	45.5	21.0	31.0	35.0	2
ECHA43225JX	2.2	45.5	22.0	32.0	35.0	2
ECHA43255JX	2.5	45.5	23.5	33.5	35.0	2

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