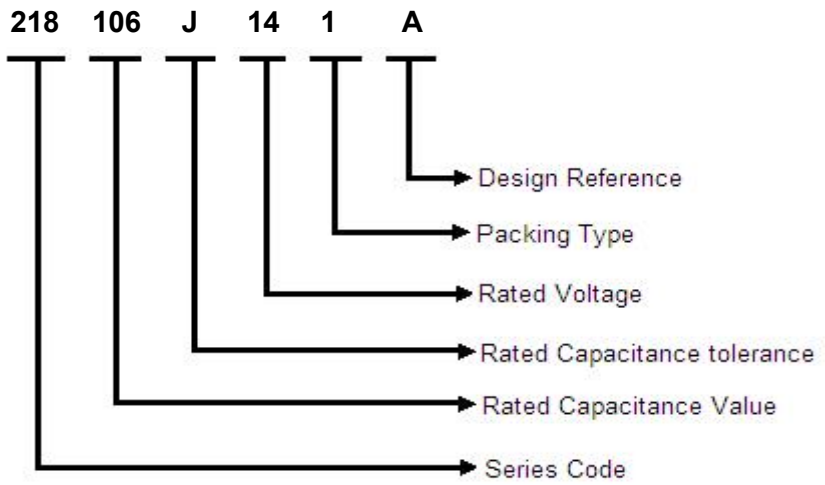
Film Capacitors

Series/Type: Motor Run S2/P2 Single Capacitor for Air Conditioner – Faston Terminals
Series code: 218

218 Motor Run S2 Single Capacitor for Air Conditioner – Faston Terminals

Part Number Description



Rated Capacitance

Three-digit (105) indicate rated capacitance in Pico Farad (First two digits indicate value & third digit indicates number of zeroes to be suffixed to first two digits).
For example:

103	= 10 ×	10^3	=	10000 pF	= 10 nF	=0.01 µF
104	= 10 ×	10^4	=	100000 pF	= 100 nF	=0.1 µF
105	= 10 ×	10^5	=	1000000 pF	= 1000 nF	=1 µF
106	= 10 ×	10^6	=	10000000 pF	= 10000 nF	=10 µF

Capacitance Tolerance

In 3rd group of the part number-
F = ±1%, G = ±2%, H = ±2.5%, I = ±3.5%, J = ±5%, K = ±10%, L = ±15%, M = ±20%, N = ±40%

Rated Voltage

In 4th group of the part number, two numeric digits indicate AC voltage rating.

Rated Voltage Codification

For AC Rated Voltage															
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
190 VAC	250 VAC	275 VAC	305 VAC	310 VAC	440 VAC	500 VAC	600 VAC	700 VAC	63 VAC	230 VAC	330 VAC	400 VAC	450 VAC	350 VAC	300 VAC

*Packing Type details:

1: Bulk packing (original pitch)

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218 Motor Run S2 Single Capacitor for Air Conditioner – Faston Terminals

General Data

Features

- Good Self-healing properties
- Minimal internal power losses
- High insulation resistance
- IS 2993 (Part-1):2024 certified
- Wide climatic category
- RoHS Compliance
- Over pressure disconnector

Construction

- Dielectric: polypropylene film
- Aluminum case
- Polyurethane Resin
- Dry type

Terminals

- Tin plated Fast-on terminals

Applications

- To be used as motor run capacitor

Reference Data

Climatic testing class according to IEC 60068-1	40/85/21
Rated Capacitance range	1 to 100 MFD
Capacitance Tol.	±5%(J)
Rated temperature	-40°C ~ +85°C
Rated Voltage (UN)	450 VAC
Reference standards	IS 2993(Part-1):2024
Dielectric	Metallized Polypropylene
Safety Approval Mark	S2
Class of Operation	Class-B, C, D
Frequency	50 Hz
Altitude	≤2000m
Encapsulation	Encased in Aluminum Round Can filled with resin
Leads	Tin plated Fast-on terminals

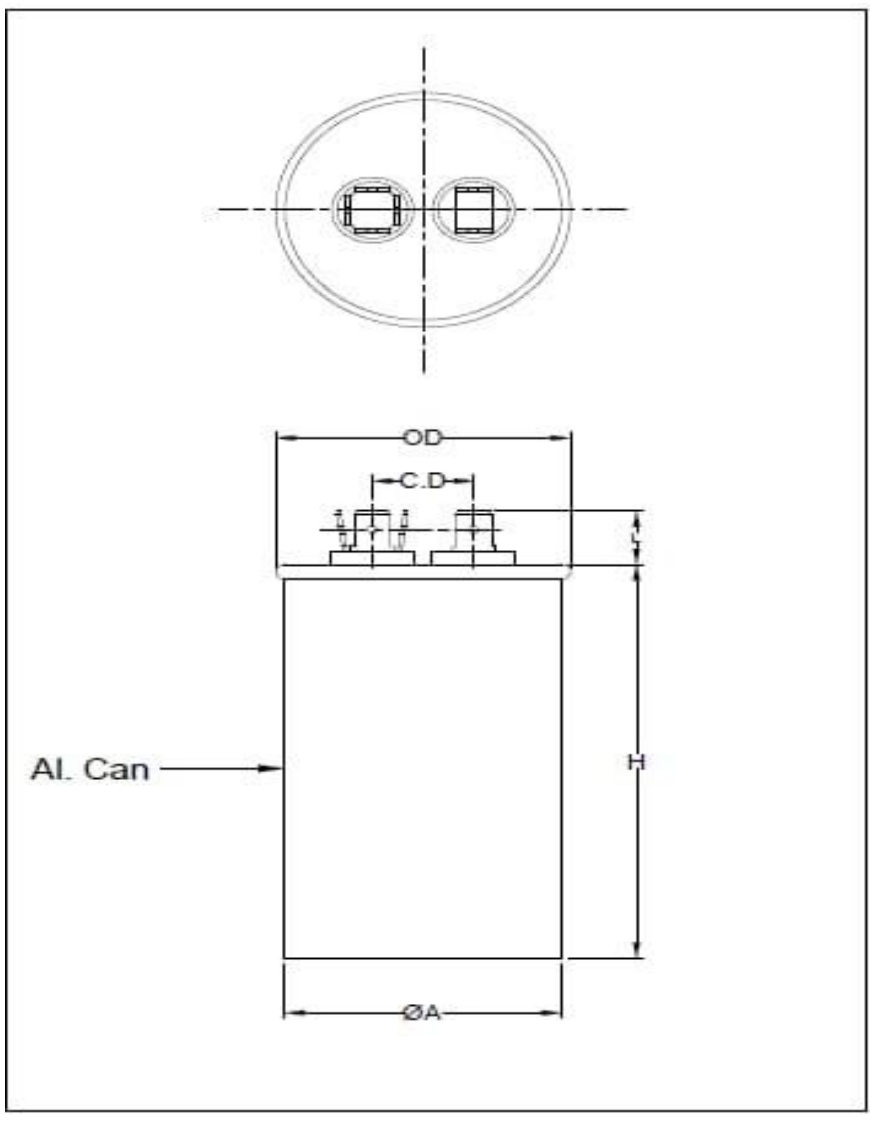
RoHS Compliance

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218 Motor Run S2 Single Capacitor for Air Conditioner – Faston Terminals

Dimensions Description





All dimensions are in mm

Part Number	Cap.	Tolerance	OD	Height (H)	L	ØA	C.D
	µF		±1.0	±2.0	±0.5	±1.0	±1.0
218 256 J 14 1 *	25.0	±5%	48.	103.0	12.0	45.0	22.0
218 306 J 14 1 *	30.0	±5%	48.	103.0	12.0	45.0	22.0
218 366 J 14 1 *	36.0	±5%	48.0	103.0	12.0	45.0	22.0
218 406 J 14 1 *	40.0	±5%	48.0	103.0	12.0	45.0	22.0
218 456 J 14 1 *	45.0	±5%	48.0	103.0	12.0	45.0	22.0
218 506 J 14 1 *	50.0	±5%	53.0	103.0	12.0	45.0	22.0
218 606 J 14 1 *	60.0	±5%	53.0	103.0	12.0	45.0	22.0

*Internal design code

only better

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218 Motor Run S2 Single Capacitor for Air Conditioner – Faston Terminals

Specific Data

Description	Value
Maximum tangent of loss angle (Tan δ)	≤0.002 at 100Hz
Voltage proof test between leads	2 times of Rated Voltage at 2 Sec. (Routine test)
	2 times of Rated Voltage at 60 Sec. (Type test)
Voltage proof test between lead and case	2000Vac for 60 sec.(Type test)
Insulations resistance or time constant (CR × RIS) between leads at 500 Vdc	≥3000s
Maximum Rate of Voltage rise (dv/dt max)	10V/μs

Endurance Test

Test condition:

- Voltage: 1.25 x UN or 1.35 x UN
- Temperature: 85°C
- Duration: 2000Hrs or 1000Hrs

Test requirements:

- No visible damage
- Change in capacitance: ≤3%

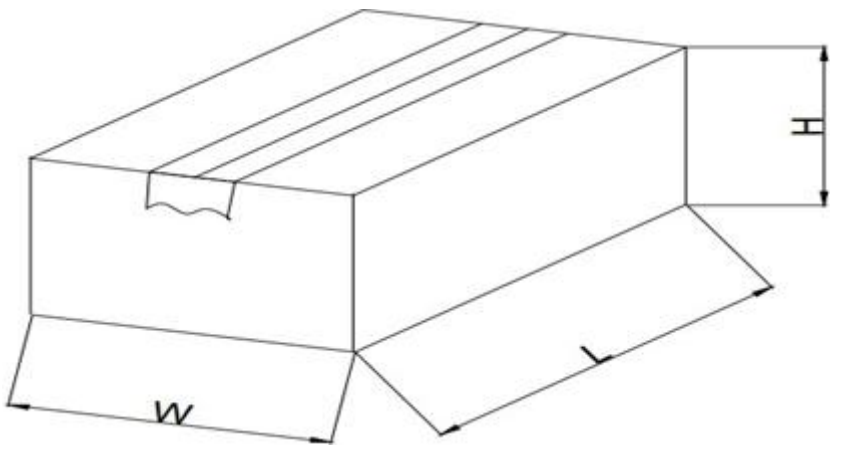
Packing Box

Capacitor Size	L	W	H	Quantity
30x54	335	167	80	50
35x54	335	167	80	50
35x71	335	167	100	50
40x95	250	250	115	25
45x95	250	250	115	25
50x95	280	280	115	25
50x120	280	280	150	25

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218 Motor Run S2 Single Capacitor for Air Conditioner – Faston Terminals



Disclaimer

All our capacitors are designed, manufactured and tested to specifications. We strictly adhere to standards in procurement of materials, in the laid down manufacturing processes and consistently apply stringent process controls and testing parameters. This ensures that our capacitors always perform to the offered specifications. Appropriateness of use in a specific circuit and fitness to a particular application however needs to be verified and its reliability through expected lifetime is required to be validated by the customer. Deki's responsibility is limited to ensuring that the capacitor performs as claimed in the specification/ data sheets provided by Deki. Deki specifically disclaims any implied warranties of fitness for any particular purpose. Liability, in any case is limited to the price paid for the capacitors.

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