

COMPONENT SPECIFICATION

SERIES NAME Metallized Polypropylene Fan Motor Run
Film Capacitors (MPP-SH)Rectangular
Box Type
SERIES CODE 123



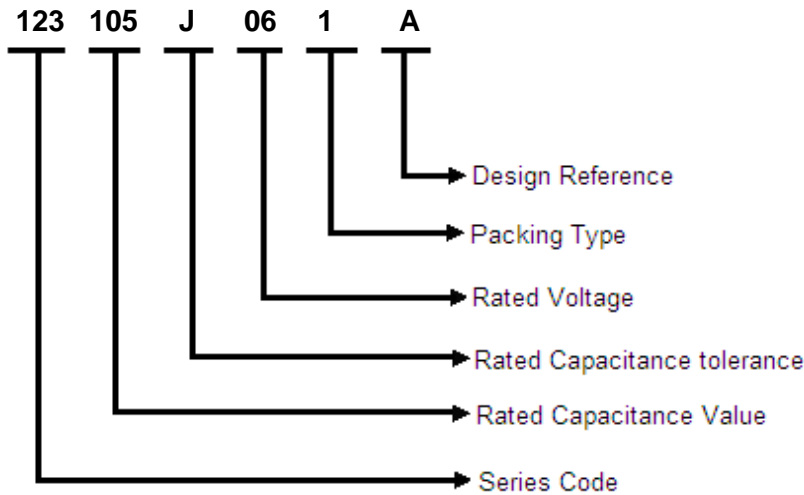
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Item Code Description



Rated Capacitance

Three-digit (305) 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, one numeric digit and one letter (Ex.-2A) indicate DC voltage rating while two numeric digits (Ex.03) 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
190	250	275	305	310	440	500	600	700	63	230	330	400	450
VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC

Packing Type

1: Bulk packing (original pitch)

Metallized Polypropylene Fan motor Run Film Capacitors

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Capacitance	0.68 μ F – 4 μ F
T. max.	85°C
Reference standards	IS : 1709
Dielectric	Polypropylene
Electrodes	Metallized
Construction	Mono
Encapsulation	Encased in PBT plastic box filled with resin
Leads	Insulated flexible PVC copper wire/Pin with metal clamp or molded clamp
Rated voltage at 50 Hz	440 VAC

Marking example	
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Dimensions Description

FIG:-1

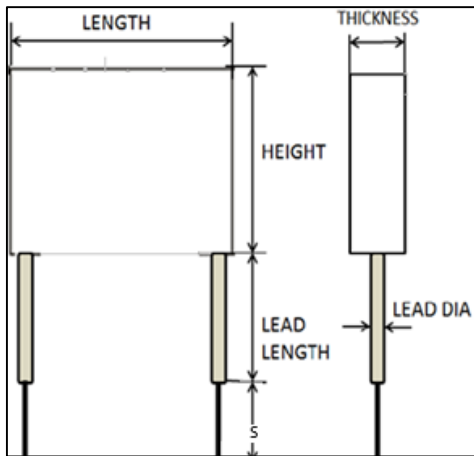


FIG:-2

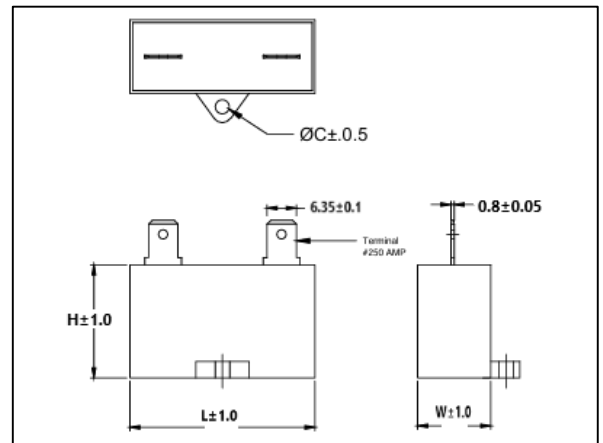
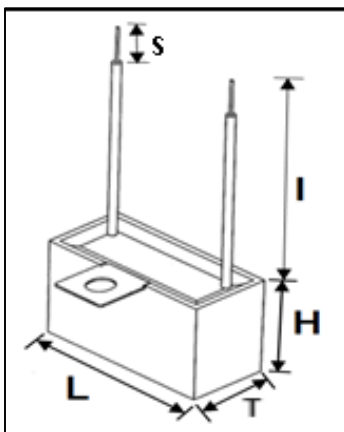


FIG:-3



Metallized Polypropylene Fan motor Run Film Capacitors

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Cap. (μF)	Tol.	Length(L) ±1.0	Thickness(T) ±1.0	Height(H) ±1.0	Lead dia (±0.05)	Lead length(l) (±5.0)	S (±2.0)	Part Number	Capacitor drawing*1
1.0	±5%	38.2	17.0	26.5	2.15	100	10.0	123 105 J 06 1 *	Available in different types
1.2	±5%	38.2	17.0	26.5	2.15	100	10.0	123 125 J 06 1 *	Available in different types
1.5	±5%	38.2	17.0	26.5	2.15	100	10.0	123 155 J 06 1 *	Available in different types
1.85	±5%	38.2	17.0	26.5	2.15	100	10.0	123 185 J 06 1 *	Available in different types
2.0	±5%	38.2	17.0	26.5	2.15	100	10.0	123 205 J 06 1 *	Available in different types
2.5	±5%	38.0	19.0	28.0	2.15	100	10.0	123 255 J 06 1 *	Available in different types
3.0	±5%	38.0	19.0	28.0	2.15	100	10.0	123 305 J 06 1 *	Available in different types
3.5	±5%	38.0	22.0	34.0	2.15	100	10.0	123 355 J06 1 *	Available in different types

Note: All dimensions are in mm.

*1 See Fig. for more details.

Specific Data

Description	Value
Maximum tangent of loss angle (Tanδ)	≤0.002 at 1 kHz
Voltage proof test between leads	770 VAC for 2 second
Insulations resistance or time constant (C _R × R _{IS}) between leads at 500 VDC	≥3000 sec

Endurance Test

Loaded at 1.25 times of rated voltage at 85°C for 500 hours.

After The Test

ΔC/C : ≤ 5% of initial value
 Tanδ : ≤ 0.002 at 50 Hz

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.