COMPONENT SPECIFICATION

SERIES NAME	Metallized Polypropylene Motor Run Film Capacitors (MPP-SH)
SERIES CODE	138

GIVEN BY: DEKI ELECTRONICS LTD

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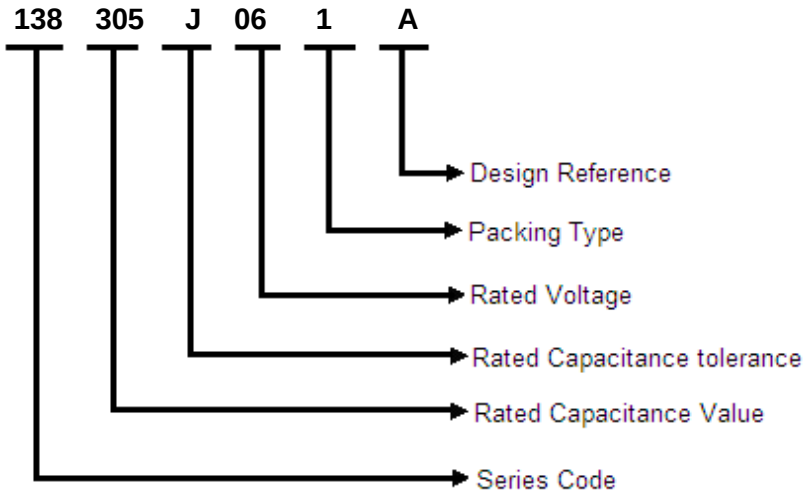
Metallized Polypropylene Motor Run Film Capacitors
MPP-SH Series• Round Type • Series Code 138

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

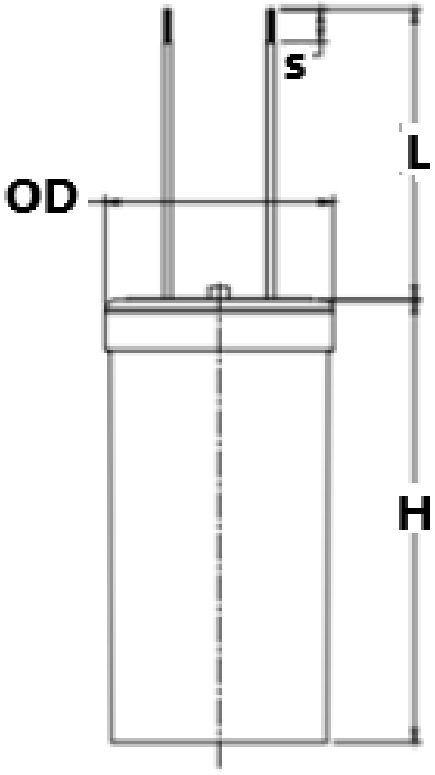
For AC Rated Voltage													
01	02	03	04	05	06	07	08	09	10	11	12	13	14
190 VAC	250 VAC	275 VAC	305 VAC	310 VAC	440 VAC	500 VAC	600 VAC	700 VAC	63 VAC	230 VAC	330 VAC	400 VAC	450 VAC

Packing Type

1: Bulk packing (original pitch)

Climatic testing class according to IEC 60068-1	40/85/21
Rated temperature	85°C
Reference standards	IS : 1709
Dielectric	Polypropylene
Electrodes	Metallized
Construction	Mono
Encapsulation	Encased in PP plastic box filled with resin
Leads	Insulated flexible PVC copper wire
Rated voltage at 50 Hz	440 VAC
Marking example (2.5µF/±5%/440VAC)	

Dimensions Description



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Cap. (µF)	Tolerance	OD (±1.0)	Height(H) (±2.0)	Lead Dia (±0.1)	L (±5)	S (±2)	Part Number
0.68	±5%	28	52	2.15	90	10	138 684 J 06 1 *
1.0	±5%	28	52	2.15	90	10	138 105 J 06 1 *
1.25	±5%	28	52	2.15	90	10	138 125 J 06 1 *
1.5	±5%	28	52	2.15	90	10	138 155 J 06 1 *
1.7	±5%	28	52	2.15	90	10	138 175 J 06 1 *
1.85	±5%	28	52	2.15	90	10	138 185 J 06 1 *
2.0	±5%	28	52	2.15	90	10	138 205 J 06 1 *
2.25	±5%	28	52	2.15	90	10	138 225 J 06 1 *
2.5	±5%	28	52	2.15	90	10	138 255 J 06 1 *
3.15	±5%	28	52	2.15	90	10	138 315 J 06 1 *
4.0	±5%	30	52	2.15	90	10	138 405 J 06 1 *

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 ($C_R \times R_{IS}$) 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.