

# COMPONENT SPECIFICATION

**SERIES NAME** Metallized Polypropylene Fan Motor Run  
Film Capacitors (MPP-SH)  
**SERIES CODE** 216



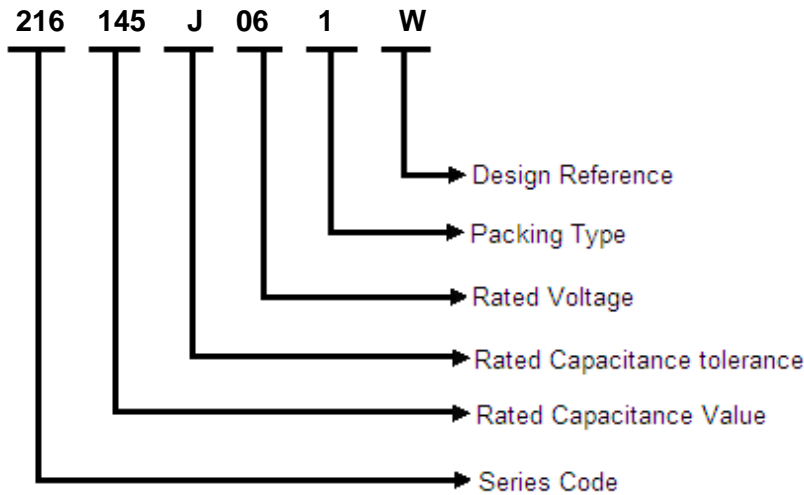
**GIVEN BY:** DEKI ELECTRONICS LTD

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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 <sup>3</sup>	= 10000 pF	= 10 nF	= 0.01 μF
104 = 10 × 10 <sup>4</sup>	= 100000 pF	= 100 nF	= 0.1 μF
105 = 10 × 10 <sup>5</sup>	= 1000000 pF	= 1000 nF	= 1 μF
106 = 10 × 10 <sup>6</sup>	= 10000000 pF	= 10000 nF	= 10 μF

**Capacitance Tolerance**

In 3<sup>rd</sup> 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)

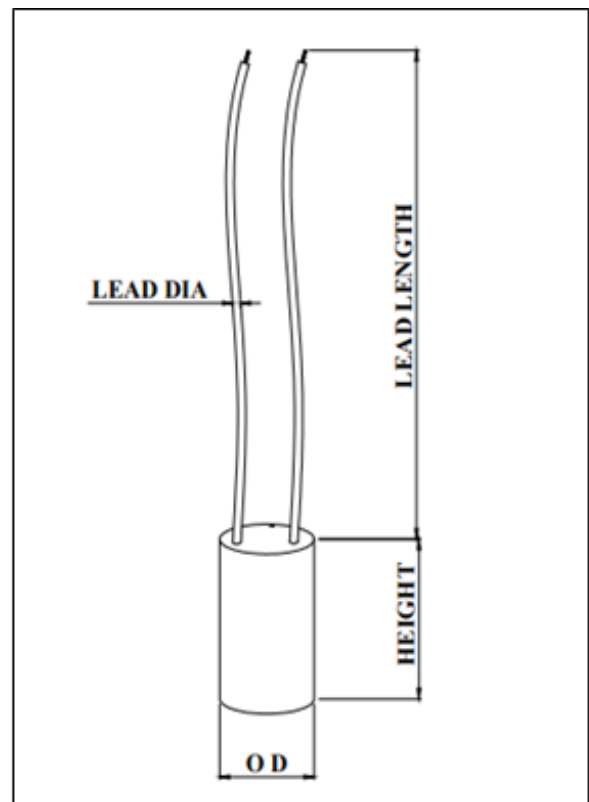
# Metallized Polypropylene Fan Motor Run Film Capacitors

## MPP-SH Series • Round Type • Series Code 216

Climatic testing class according to IEC 60068-1	40/85/21
Rated temperature	85°C
Reference standards	IS : 1709-1984
Dielectric	Polypropylene
Electrodes	Metallized
Construction	Mono
Encapsulation	Encased in Aluminium can with protective sleeve filled with resin
Leads	Insulated flexible PVC copper wire
Rated voltage at 50 Hz	440 VAC
Capacitors life	5 year*

Marking example	 <p> <b>Deki</b>                  SH MPP-5                  IS: 1709-1984                    CML                  8700100509                  xxx µF 440 VAC                  50 Hz T.MAX 85°C                  Deki Electronics Ltd.                  MM/YY Lot no.             </p>
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### Dimensions Description



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Cap. (μF)	Tolerance	OD (±1.0)	Height(H) (±2.0)	Lead Dia (±0.1)	Lead length (±5)	Wire Striping (±2)	Part Number
1.0	±5%	35	52	2.15	95	10	216 105 J 06 1 *
1.25	±5%	35	52	2.15	95	10	216 125 J 06 1 *
1.4	±5%	35	52	2.15	95	10	216 145 J 06 1 *
1.5	±5%	35	52	2.15	95	10	216 155 J 06 1 *
1.7	±5%	35	52	2.15	95	10	216 175 J 06 1 *

\*Capacitor range- 0.68 to 4.0 mfd

\*We can change customize size as per customer.

### 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 <sub>R</sub> × R <sub>IS</sub> ) 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.