

COMPONENT SPECIFICATION

SERIES NAME :- Metallized Polypropylene Motor Run Film
Capacitors (MPP-SH)
DEKI SERIES NO. :- 209



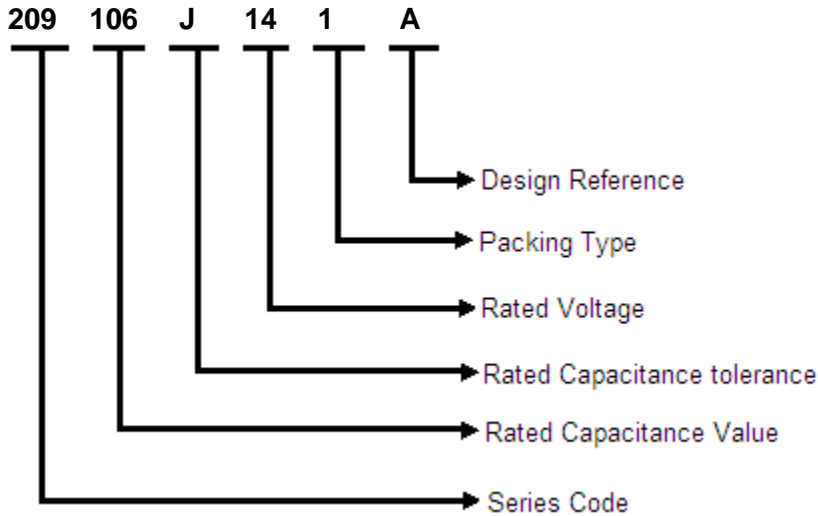
GIVEN BY: DEKI ELECTRONICS LTD •

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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 μ F
104	= 10×10^4	= 100000 pF	= 100 nF	=0.1 μ F
105	= 10×10^5	= 1000000 pF	= 1000 nF	=1 μ F
106	= 10×10^6	= 10000000 pF	= 10000 nF	=10 μ F

Capacitance Tolerance

In 3rd group of the part number-

F = $\pm 1\%$, G = $\pm 2\%$, H = $\pm 2.5\%$, I = $\pm 3.5\%$, J = $\pm 5\%$, K = $\pm 10\%$, L = $\pm 15\%$, M = $\pm 20\%$, N = $\pm 40\%$

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

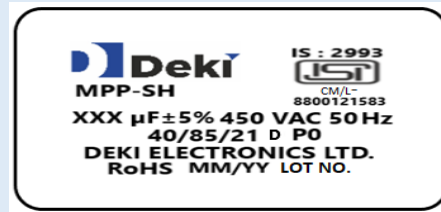
01	02	03	04	05	06	07	08	09	10	11	12	13	14
190	250	275	305	310	440	500	600	700	63	230	330	400	450
VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC

Design Reference

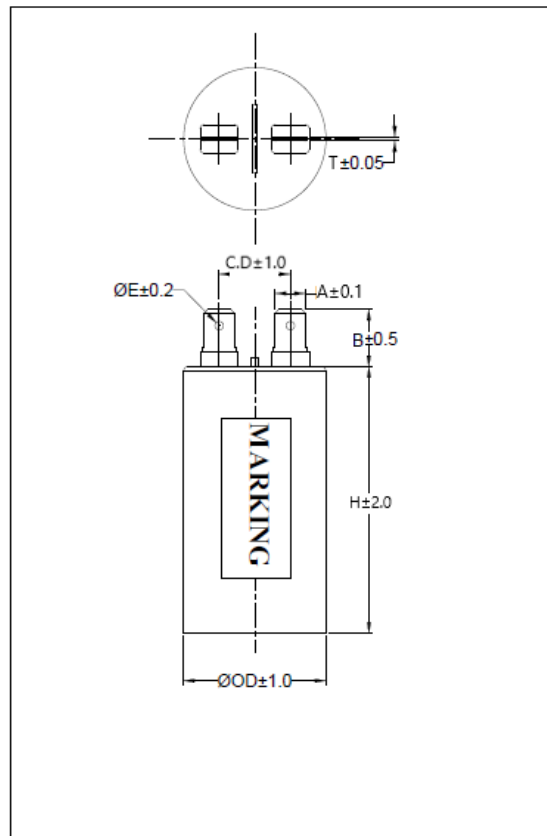
Reference Data

Climatic testing class according to IEC 60068-1	40/85/21
Rated temperature	85°C
Reference standards	IS : 2993-1998
Dielectric	Polypropylene
Electrodes	Metallized
Safety Approval Mark	P0
Class of operation	Class-D
Construction	Mono
Encapsulation	Encased in Plastic Round Can filled with resin
Leads	Tinned Plated Terminal Type #250AMP
Rated voltage at 1KHz	450 VAC

Marking example



Where XXX- Capacitance value and MM/YY- Month / Year



Dimension Description

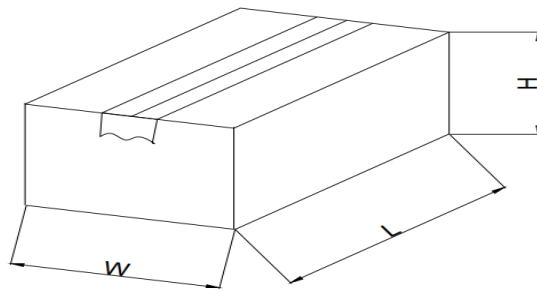
Part Number	Cap.	Tolerance	OD	Height (H)	A	B	C.D	E	T
	(μ F)		(± 1.0)	(± 2.0)	(± 0.1)	(± 0.5)	(± 1.0)	(± 0.2)	(± 0.05)
209 205 J 14 1 *	2.0	$\pm 5\%$	28.0	52.0	6.3	12.5	15.0	1.8	0.8
209 255 J 14 1 *	2.5	$\pm 5\%$	28.0	52.0	6.3	12.5	15.0	1.8	0.8
209 305 J 14 1 *	3.0	$\pm 5\%$	30.0	55.0	6.3	12.5	15.0	1.8	0.8
209 405 J 14 1 *	4.0	$\pm 5\%$	30.0	55.0	6.3	12.5	15.0	1.8	0.8
209 505 J 14 1 *	5.0	$\pm 5\%$	30.0	55.0	6.3	12.5	15.0	1.8	0.8
209 605 J 14 1 *	6.0	$\pm 5\%$	30.0	55.0	6.3	12.5	15.0	1.8	0.8
209 805 J 14 1 *	8.0	$\pm 5\%$	30.0	55.0	6.3	12.5	15.0	1.8	0.8
209 106 J 14 1 *	10.0	$\pm 5\%$	30.0	55.0	6.3	12.5	15.0	1.8	0.8
209 156 J 14 1 *	15.0	$\pm 5\%$	35.0	71.0	6.3	12.5	15.0	1.8	0.8
209 206 J 14 1 *	20.0	$\pm 5\%$	35.0	71.0	6.3	12.5	15.0	1.8	0.8
209 256 J 14 1 *	25.0	$\pm 5\%$	40.0	71.0	6.3	10.0	13.5	1.65	0.8
209 306 J 14 1 *	30.0	$\pm 5\%$	40.0	71.0	6.3	10.0	13.5	1.65	0.8
209 366 J 14 1 *	36.0	$\pm 5\%$	40.0	95.0	6.3	10.0	13.5	1.65	0.8
209 406 J 14 1 *	40.0	$\pm 5\%$	40.0	95.0	6.3	10.0	13.5	1.65	0.8
209 456 J 14 1 *	45.0	$\pm 5\%$	40.0	95.0	6.3	10.0	13.5	1.65	0.8
209 506 J 14 1 *	50.0	$\pm 5\%$	40.0	95.0	6.3	10.0	13.5	1.65	0.8
209 606 J 14 1 *	60.0	$\pm 5\%$	45.0	95.0	6.3	10.0	13.5	1.65	0.8
209 726 J 14 1 *	72.0	$\pm 5\%$	50.0	95.0	6.3	10.0	13.5	1.65	0.8
209 806 J 14 1 *	80.0	$\pm 5\%$	50.0	95.0	6.3	10.0	13.5	1.65	0.8
209 906 J 14 1 *	90.0	$\pm 5\%$	50.0	120.0	6.3	10.0	13.5	1.65	0.8
209 107 J 14 1 *	100	$\pm 5\%$	50.0	120.0	6.3	10.0	13.5	1.65	0.8

*All dimension in mm
 TERMINAL WIDTH (A)
 TERMINAL HEIGHT (B)
 CENTER DISTANCE (C.D)
 TERMINAL HOLE DIA (E)
 TERMINAL THICKNESS (T)

Specific Data

Description	Value
Maximum tangent of loss angle (Tanδ)	Cap. 1-10mfd ≤0.002 at 1 kHz
	Cap. 15-50mfd ≤0.01 at 1 kHz
	Cap. 60-100mfd≤0.015 at 1 kHz
Voltage proof test between leads	900 VAC for 2 second
Insulations resistance or time constant ($C_R \times R_{IS}$) between leads at 500 VDC	≥3000 sec

Packing Type



Capacitor Size	L	W	H	Quantity
28x52	335	167	80	50
30x55	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

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.