COMPONENT SPECIFICATION

SERIES NAME	MOTOR RUN DUAL CAPACITOR FOR WASHING MACHINE
DEKI SERIES CODE	203

GIVEN BY: DEKI ELECTRONICS LTD

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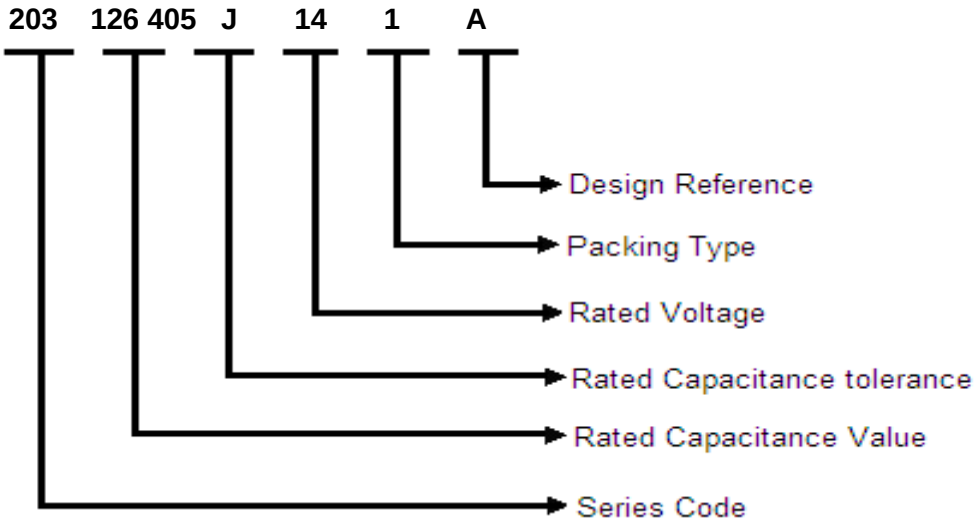
Part Number Description



Rated Capacitance

Six-digit (126 405) indicate rated capacitance in Pico Farad (First two digits indicate value & third digit indicates number of zeroes to be suffixed to first two digits & Forth and Fifth digits indicate value & sixth digit indicates number of zeroes to be suffixed to fourth and fifth digits).
For example:-
126 405
First two digits indicate value & third digit indicates number of zeroes to be suffixed to first two digits
126=12 $\times 10^6$ = 12000000 pF = 12000 nF =12 µF
Fourth and Fifth digits indicate value & sixth digit indicates number of zeroes to be suffixed to fourth and fifth digits
405=40$\times 10^5$ = 4000000 pF = 4000 nF =4 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

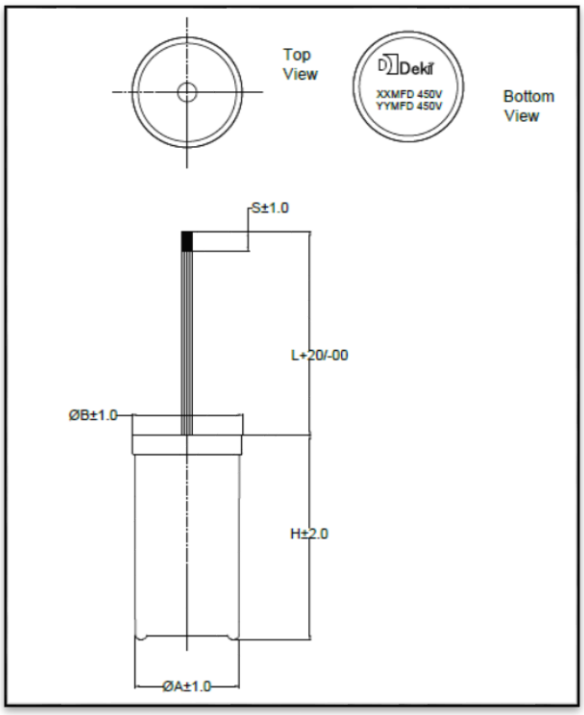
For AC Rated Voltage															
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
190 VAC	250 VAC	275 VAC	305 VAC	310 VAC	440 VAC	500 VAC	600 VAC	700 VAC	63 VAC	230 VAC	330 VAC	400 VAC	450 VAC	350 VAC	300 VAC

Reference Data

Construction	Metallized Polypropylene film
Climatic Category	40/85/21
Rated Temperature	85°C
Reference Standards	IS : 2993-1998
Rated voltage / Frequency	450 VAC / 50Hz
Electrodes	Metallized
Dielectric	Polypropylene
Encapsulation	Encased in PP plastic round white can filled with Polyurethane resin
Leads	Insulated flexible PVC copper wire
Class of operation	Class-B*
Life expectancy(IS:2993)	10000 hours
Safety approval mark	S0/P0
BIS Approval Mark	CM/L-8800121583
Marking Details	
Compatibility to RoHS	

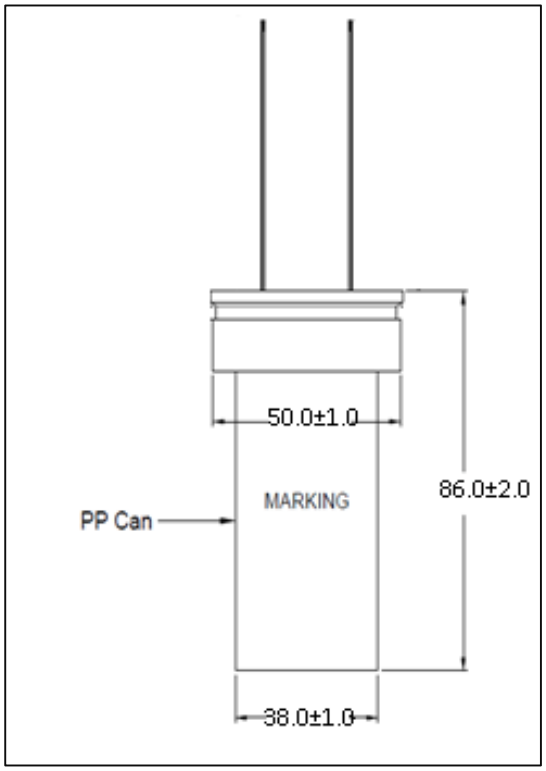
* Fig. 3 design available in Class-C

FIG 1


Top
View
Deki
XXMFD 450V
YYMFD 450V
Bottom
View
S±1.0
L+20/-00
ØB±1.0
H±2.0
ØA±1.0

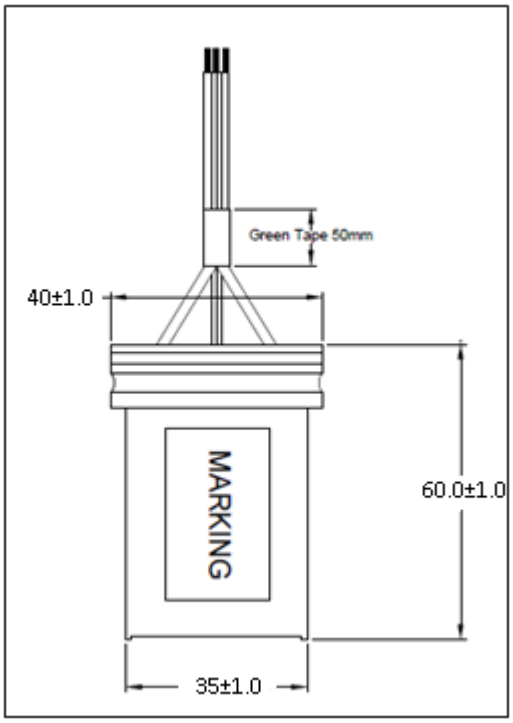

Deki
MPP-SH
8.0µF ±5% (Yellow &Yellow white)
4.0µF ±5% (Brown & Grey)
450 VAC 50Hz 40/85/21 Class B P0
01/24

FIG 2


50.0±1.0
MARKING
PP Can
86.0±2.0
38.0±1.0

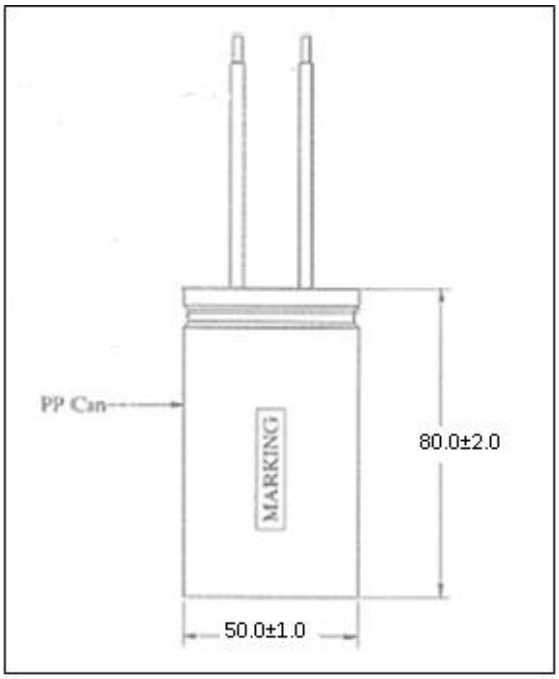

Deki
MPP-SH
12.0µF ±5% (Yellow &Grey)
4.0µF ±5% (Red & Black)
50Hz 450 VAC 25/70/21 B P0
01/24

FIG 3


Green Tape 50mm
40±1.0
MARKING
60.0±1.0
35±1.0


Deki
MPP-SH
10.0uF ±5% (Red & Yellow)
4.0uF ±5% (White & Grey)
50Hz 450 VAC 40/70/21 C P0
01/24

FIG 4


PP Can
MARKING
80.0±2.0
50.0±1.0


Deki
MPP-SH
12.0uF ±5% (Yellow & Grey)
5.0uF ±5% (Red & Black)
450 VAC 50Hz 40/85/21 Class B P0
01/24

Dimension Description

Part Number	Capacitance value (µF)	Tolerance	Diameter (ØA±1.0)	Diameter (ØB±1.0)	Height (H±2.0)	Wire Length	Striping (S±1.0)	Wire Spec.	*Wire Colour
203 805 405 J 14 1 A	8+4MFD	±5%	39	40	72	-	10	16/0.2	XX:8MFD YY: 4 MFD
203 905 405 J 14 1 A	9+4MFD	±5%	39	40	72	-	10	16/0.2	XX:9MFD YY: 4 MFD
203 106 405 J 14 1 A	10+4MFD	±5%	39	40	72	-	10	16/0.2	XX:10MFD YY: 4 MFD
203 116 605 J 14 1 A	11.5+6MFD	±5%	39	40	72	-	10	16/0.2	XX:11.5MFD YY: 6 MFD
203 126 505J 14 1 A	12+5MFD	±5%	39	40	72	-	10	16/0.2	XX:13MFD YY: 4 MFD

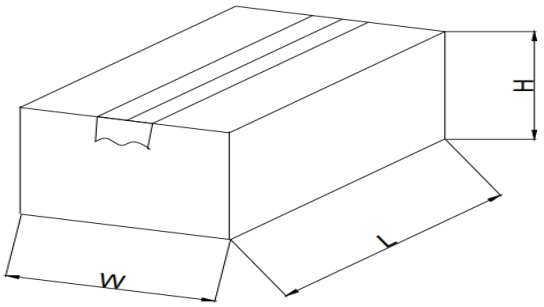
Refer Fig. 1 of this specification for dimension details
*All dimension in mm

All Capacitance value available in all designs (see fig).
Wire length in customer specific
Other design Available
***XX: (WIRE 1 & WIRE 2)**
YY: (WIRE 3 & WIRE 4)

Specific Data

Description	Value
Maximum tangent of loss angle (Tanδ)	≤0.002 at 1 kHz
Voltage proof test between leads	2 x V_R for 2 Sec.(Routine test) 2 x V_R for 10 Sec.(Type test)
Voltage proof test between C1 & C2	2000 VAC
Insulation Resistance (R_{IS}) (or) time constant T= $C_R \times R_{IS}$	>3000s
Voltage proof test between T-C	2000 VAC

Packing Type



Capacitor Size	L	W	H	Quantity
40x60	250	250	80	25
40x72	250	250	115	25
50x80	280	280	115	25
50x86	280	280	115	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.