

COMPONENT SPECIFICATION

SERIES NAME MOTOR RUN CAPACITOR
DEKI SERIES NO. 204



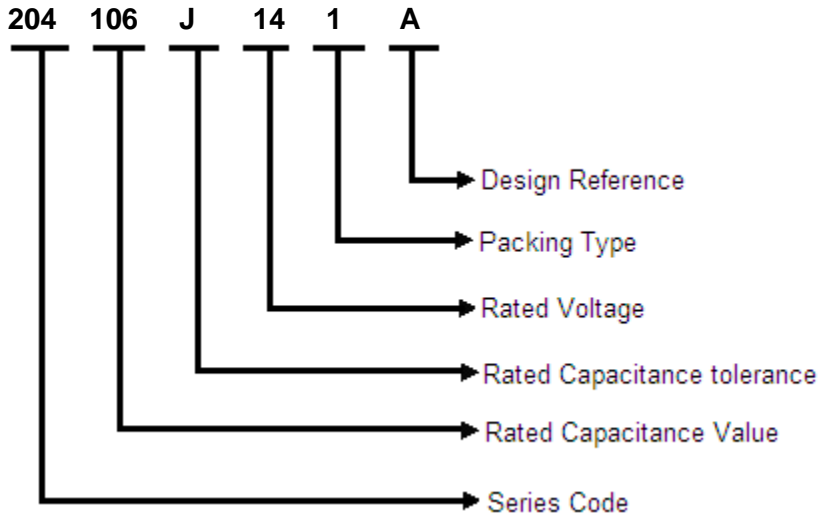
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Part Number Description



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:

$$103 = 10 \times 10^3 = 10000 \text{ pF} = 10 \text{ nF} = 0.01 \mu\text{F}$$

$$104 = 10 \times 10^4 = 100000 \text{ pF} = 100 \text{ nF} = 0.1 \mu\text{F}$$

$$105 = 10 \times 10^5 = 1000000 \text{ pF} = 1000 \text{ nF} = 1 \mu\text{F}$$

$$106 = 10 \times 10^6 = 10000000 \text{ pF} = 10000 \text{ nF} = 10 \mu\text{F}$$

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	250	275	305	310	440	500	600	700	63	230	330	400	450	350	300
VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC	VAC

Packing Type

1- Bulk Packing

Motor run Capacitors

Features

- Good Self-healing properties
- Minimal internal power losses
- High insulation resistance
- IS 2993 compliance
- Wide climatic category
- RoHS Compliance

Construction

- Dielectric: polypropylene film
- Plastic case
- Polyurethane Resin
- Dry type

Terminals

- Wire with sleeve

Applications

- To be used as motor run capacitor.



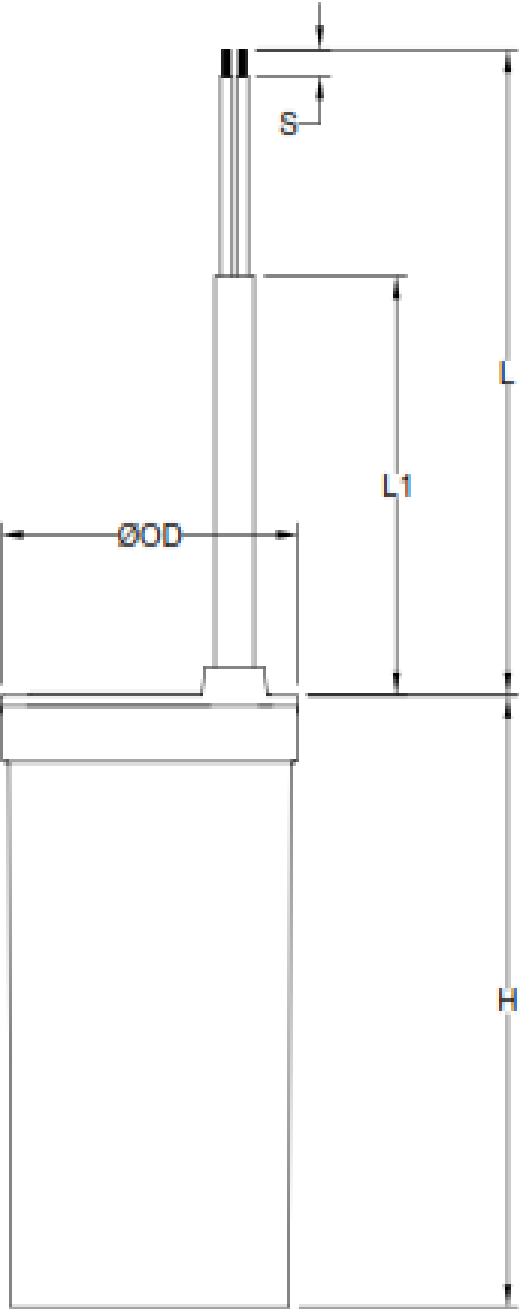
Reference Data

Climatic testing class according to IEC 60068-1	40/85/21
Rated Capacitance	1 to 100 MFD
Rated temperature	85°C
Rated Voltage	450 VAC
Reference standards	IS : 2993-1998
Dielectric	Metallized Polypropylene
Safety Approval Mark	P0
Class of Operation	Class-B
Frequency	50 Hz
Encapsulation	Encased in Plastic Round Can filled with resin
Leads	Wire with Sleeve

Marking



RoHS Compliance



Dimension Description

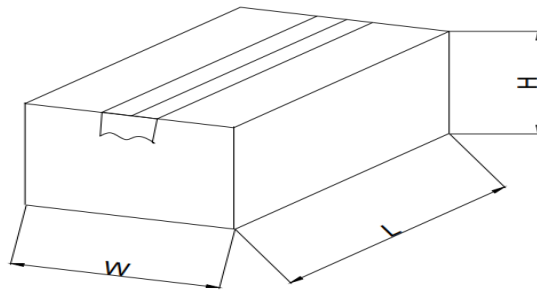
Part Number	Capacitance ($\mu\text{F}\pm 5\%$)	Voltage (VAC)	Diameter (OD ± 1.0)	Height (H ± 1.0)	Wire Length (L $\pm 5\text{mm}$)	Sleeve Length (L1 ± 10)	Striping (S ± 2.0)	Wire Spec.
204 505 J 14 1 *	5.0	450	30	53	205	125	10	16/0.2
204 605 J 14 1 *	6.0	450	35	54	205	125	10	16/0.2
204 805 J 14 1 *	8.0	450	35	54	205	125	10	16/0.2
204 106 J 14 1 *	10.0	450	35	72	205	125	10	16/0.2
204 156 J 14 1 *	15.0	450	35	72	205	125	10	16/0.2
204 206 J 14 1 *	20.0	450	40	72	205	125	10	16/0.2
204 256 J 14 1 *	25.0	450	40	95	205	125	10	16/0.2
204 306 J 14 1 *	30.0	450	40	95	205	125	10	24/0.2
204 356 J 14 1 *	36.0	450	40	95	205	125	10	24/0.2
204 406 J 14 1 *	40.0	450	45	95	205	125	10	24/0.2
204 456 J 14 1 *	45.0	450	50	95	205	125	10	24/0.2
204 506 J 14 1 *	50.0	450	50	95	205	125	10	24/0.2
204 606 J 14 1 *	60.0	450	50	125	205	125	10	32/0.2
204 726 J 14 1 *	72.0	450	50	125	205	125	10	32/0.2
204 806 J 14 1 *	80.0	450	50	125	205	125	10	32/0.2
204 906 J 14 1 *	90.0	450	63	128	205	125	10	32/0.2
204 107 J 14 1 *	100	450	63	128	205	125	10	32/0.2

All dimensions in mm

Specific Data

Description	Value
Maximum tangent of loss angle (Tan δ)	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	2 times of Rated Voltage at 2 Sec. (Routine test)
	2 times of Rated Voltage at 60 Sec. (Type test)
Insulations resistance or time constant ($C_R \times R_{IS}$) between leads at 500 Vdc	$\geq 3000\text{s}$
Maximum Rate of Voltage rise (dv/dtmax)	10v/ μs

Packing Type



Capacitor Size	L	W	H	Quantity
30x53	335	167	80	50
35x54	385	190	80	50
35x72	385	190	100	50
40x72	250	250	115	25
40x95	250	250	115	25
45x95	250	250	115	25
50x95	280	280	115	25
50x122	280	280	150	25
63x128	340	276	160	20

Disclaimer

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.