



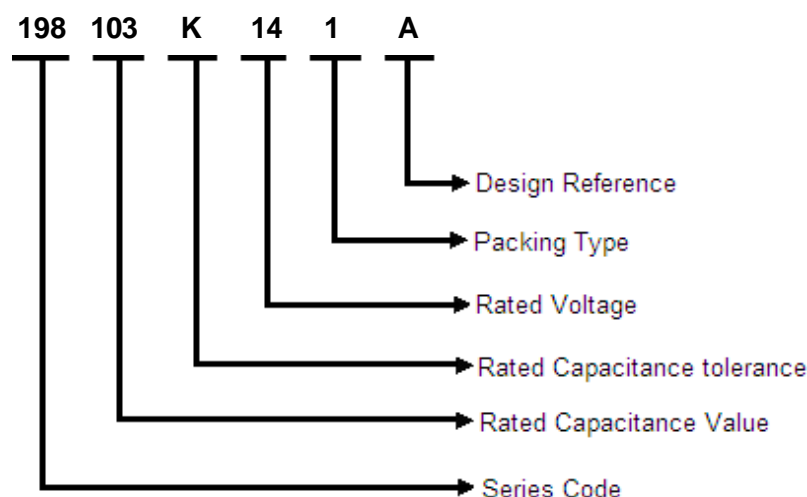
# Power Electronic Capacitors

SERIES TYPE: Power Factor Correction capacitor

Series Code: 198

Date: November 2024

## Item Code Description



## Rated VAR

Three-digit (103) indicate rated VAR  
For example:

103 = 1 ×	10 <sup>3</sup>	= 1KVAR
104 = 1 ×	10 <sup>4</sup>	= 10KVAR
154 = 15 ×	10 <sup>4</sup>	= 150KVAR

## Capacitance Tolerance

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

## Rated Voltage

One digit and one letter (2A) or two digits (05) indicate rated voltage

## Rated Voltage Codification

For AC Rated Voltage(V <sub>RMS</sub> )													
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
15	16	17	18	19	20	21	22	23	24	25	26	27	
350	300	415	420	460	480	530	660	720	780	850	900	1000	

## General data

### Typical Application

- Power Factor Correction

### Construction

- Dielectric: Metallized Polypropylene Film
- Self-Healing Property
- Wound capacitor Technology
- MS Box
- Non PCB, Soft Polyurethane resin
- Three phase Delta connection

## Features

- Compact size
- Low Loss
- Low ESR and ESL
- Low leakage current
- IP00, IP20

## Reference Standard

- IEC 60831 - 1 & 2

## Climatic Category

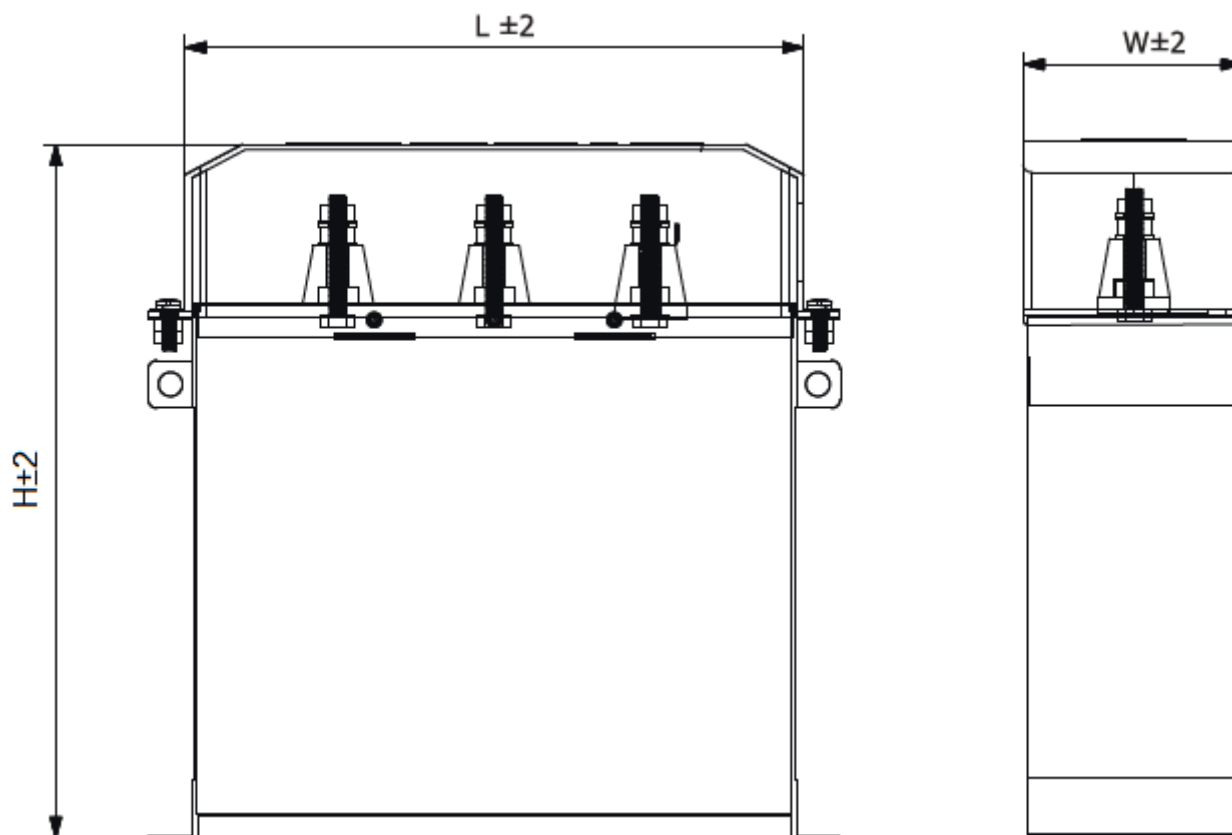
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## Terminals

- Tin plated MS Stud

## Technical data

Max. Operating Temperature	+55°C(Class D)
Min. Operating temperature	-40°C
Rated QN	1KVAR to 50KVAR
Rated Voltage VR	440V AC
Voltage proof(VT-T)	2.15xVR, 50Hz 10s
Voltage proof(VT-C)	4000VAC for 1 Min.
Dissipation factor $\tan \delta$ (100Hz)	$\leq 0.08$
Life Test	Acc. To IEC 60831-1 & 2
Tolerance	K, $\pm 10\%$
Degree of Protection	IP00, IP20
Max. permissible altitude	4000m MSL
Safety device	Internal discharge device,
Service Life at $V_{RMS}$ @ 55°C Hotspot	100000Hrs



CR μF	Rated KVAR	Dimensions (LxWxH)	Current (Amp)	Part no.
3 x 5.5	1	135 x 48 x 130	1.31	198 103 K 06 1 *
3 x 11	2	135 x 48 x 130	2.62	198 203 K 06 1 *
3 x 16.5	3	135 x 48 x 130	3.93	198 303 K 06 1 *
3 x 21.92	4	135 x 48 x 130	5.24	198 403 K 06 1 *
3 x 27.4	5	135 x 48 x 130	6.55	198 503 K 06 1 *
3 x 41.1	7.5	200 x 70 x 180	9.84	198 703 K 06 1 *
3 x 55	10	200 x 70 x 180	13.12	198 104 K 06 1 *
3 x 68.5	12.5	200 x 70 x 180	16.37	198 124 K 06 1 *
3 x 82.2	15	200 x 70 x 180	19.65	198 154 K 06 1 *
3 x 109.6	20	250 x 140 x 240	26.20	198 204 K 06 1 *
3 x 137	25	250 x 140 x 240	32.75	198 254 K 06 1 *
3 x 164.4	30	250 x 140 x 240	39.36	198 304 K 06 1 *
3 x 191.8	35	250 x 140 x 240	45.9	198 354 K 06 1 *
3 x 219.2	40	250 x 140 x 240	52.5	198 404 K 06 1 *
3 x 246.6	45	250 x 140 x 240	59	198 454 K 06 1 *
3 x 274	50	250 x 140 x 240	65.6	198 504 K 06 1 *

## 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.