

K26 TYPE -40°C +85°C 12000H

RoHS Compliant

- Surge-proof capacitor in aluminium can with insulation sleeve.
- Snap in terminals for PCB mounting.
- Design optimized for high ripple current applications.

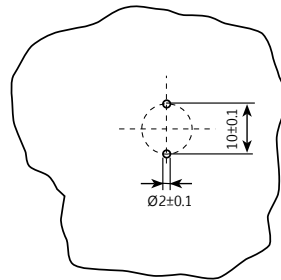
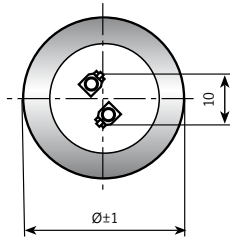
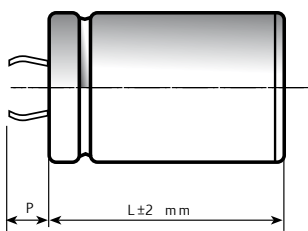
APPLICATIONS

Designed for professional application.
Ultra compact UPS, Solar inverters, High ripple current converters, Motor drives.

Dimensions in mm.

Circuit board hole dimensions

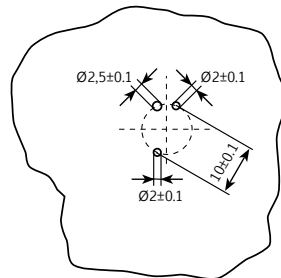
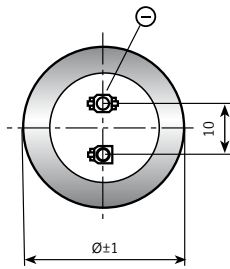
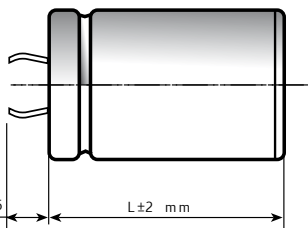
2 PIN CAPACITOR



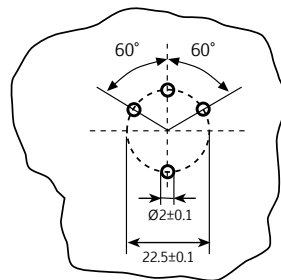
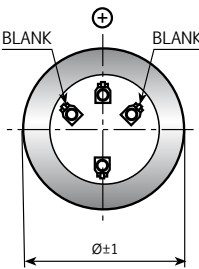
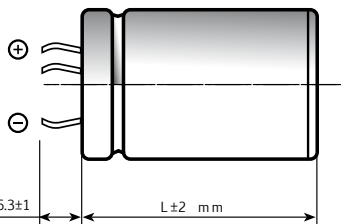
PIN LENGTH

P 4.5 short pin - P 6.3 long pin (standard)

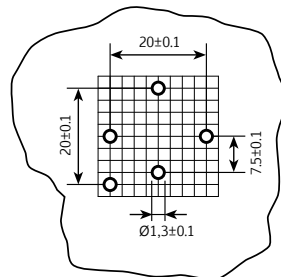
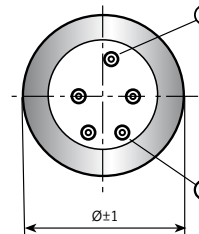
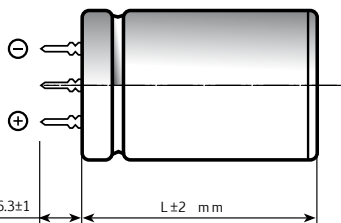
3 PIN CAPACITOR



4 PIN CAPACITOR



5 PIN CAPACITOR



Ø	22	25	30	35	40	45	50
2 PIN	●	●	●	●	●		
3 PIN		●	●	●			
4 PIN				●	●	●	●
5 PIN					●		

On demand, only for capacitors with diam ≥ 35mm: octagonal can shape for long stress vibration applications.

SPECIFICATIONS

Temperature Range	Operating: -40°C +85°C Storage : Preferably below +25°C, not exceeding +40°C	[Environmental classification 40/85/56 IEC-68]
Rated Voltage Range (V_r)	from 400V to 450V DC	
Surge Voltage (V_p)	V _p = 1.10 V _r	
Rated Capacitance Range	from 1000 µF to 2700 µF	
Capacitance Tolerance	±20% at 100 Hz, 20°C [M class IEC-62] on request: -10% +30% at 100 Hz, 20°C [Q class IEC-62]	
Leakage Current (I_L) (mA, 5 min, 20°C)	max I _L = 0.006 C _r V _r + 4 µA At 85°C max I _L = 0.04 C _r V _r µA	Kendeil product limit: I _L = 0.003 C _r V _r
Ripple current (I_r)	Refer to table at 85°C and 100Hz:	
	FREQUENCY	50Hz 100Hz 500 Hz 1000Hz >10kHz
	MULTIPLIER	0.88 1.0 1.45 1.50 1.55
	AMBIENT TEMP.	35°C 45°C 55°C 65°C 75°C 85°C 95°C
	MULTIPLIER	2.2 2.1 1.8 1.6 1.4 1.0 0.5
	Maximum internal temperature	98°C
Insulation Resistance	At 100V DC for 1 min is >100 MΩ across insulating sleeve and terminals.	
Vibration Resistance	Frequency range: 10 Hz to 500 Hz, amplitude 0.75 mm max acceleration 10g for 3x2 h	
Withstand voltage (between terminals bundled and plate)	2500 VAC for 1 min	
Life test	After 2,000 hours application of rated voltage at 85°C capacitors meet characteristics aside	Cap change ≤ 10% tan δ ≤ 130% Leakage current (I _L) < initial limit Impedance (Z) ≤ 200%
Shelf life	After leaving capacitors under no load for 500 hours at 85°C, when restored at 20°C meet specifications aside	Cap change ≤ ±15% tan δ ≤ 150% Leakage current (I _L) < initial limit
Useful life (V_n, Temp rated I ripple applied)	> 200000 h at 40°C > 12000 h at 85°C	
Failure percentage Failure rate	≤ 1% (during useful life) ≤ 33 fit (33 10 ⁻⁹ /h)	
Self inductance	Approx. 20 nH	
Damp heat test (V_n applied, 2000 hours, 85% RH)	Stable electrical parameters in humidity ambient condition 85°C	
Electrolyte	All the capacitors of this series have self-extinguishing electrolyte in accordance with IEC EN 60695-11-10	
Marking information	minus pole band aside within an angle of 41° ± 25°	
Reference standards	CECC 30.300 - IEC 60384-4 LONG LIFE GRADE	

K26 TYPE STANDARD RATINGS

Cap μF	$\varnothing \times L$ mm	Tan δ MAX 100 Hz 20°C	ESR TYP m Ω 100 Hz 20°C	Z TYP m Ω 10 kHz 20°C	I _r a.c. A max 100 Hz 85°C	PART NUMBER termination digit excluded
1000	40x60	0.12	99	74	5.1	K26400102_PM0F060
1200	40x77	0.12	94	64	5.2	K26400122_PM0F077
1500	45x60	0.12	84	61	5.4	K26400152_PM0N060
1800	45x77	0.12	70	51	6.2	K26400182_PM0N077
1800	50x60	0.10	70	51	6.5	K26400182_PM0V060
2000	40x105	0.12	61	44	7.6	K26400202_PM0F105
2200	45x105	0.13	47	40	7.8	K26400222_PM0N105
2200	50x77	0.10	47	40	7.6	K26400222_PM0V077
2700	45x105	0.13	46	39	9.2	K26400272_PM0N105
3300	50x105	0.10	37	30	10.2	K26400332_PM0V105

**RATED
VOLTAGE
VDC**

400V

Cap μF	$\varnothing \times L$ mm	Tan δ MAX 100 Hz 20°C	ESR TYP m Ω 100 Hz 20°C	Z TYP m Ω 10 kHz 20°C	I _r a.c. A max 100 Hz 85°C	PART NUMBER termination digit excluded
1000	40x60	0.11	99	74	5.1	K26420102_PM0F060
1200	40x77	0.11	94	64	5.2	K26420122_PM0F077
1200	45x60	0.11	94	64	5.2	K26420122_PM0N060
1500	40x105	0.12	75	55	6.3	K26420152_PM0F105
1500	45x77	0.12	75	55	5.6	K26420152_PM0N077
1500	50x60	0.10	75	55	5.7	K26420152_PM0V060
1800	50x77	0.10	67	50	6.9	K26420182_PM0V077
2200	45x105	0.13	47	40	7.8	K26420222_PM0N105
2700	50x105	0.10	37	30	9.5	K26420272_PM0V105

**RATED
VOLTAGE
VDC**

420V

Cap μF	$\varnothing \times L$ mm	Tan δ MAX 100 Hz 20°C	ESR TYP m Ω 100 Hz 20°C	Z TYP m Ω 10 kHz 20°C	I _r a.c. A max 100 Hz 85°C	PART NUMBER termination digit excluded
1000	40x60	0.11	99	74	5.1	K26450102_PM0F060
1200	40x77	0.11	94	64	5.2	K26450122_PM0F077
1200	45x60	0.11	94	64	5.2	K26450122_PM0N060
1500	40x105	0.12	75	55	6.3	K26450152_PM0F105
1500	45x77	0.12	75	55	5.6	K26450152_PM0N077
1500	50x60	0.10	75	55	5.7	K26450152_PM0V060
1800	50x77	0.10	67	50	6.9	K26450182_PM0V077
2200	45x105	0.13	47	40	7.8	K26450222_PM0N105
2700	50x105	0.10	37	30	9.5	K26450272_PM0V105

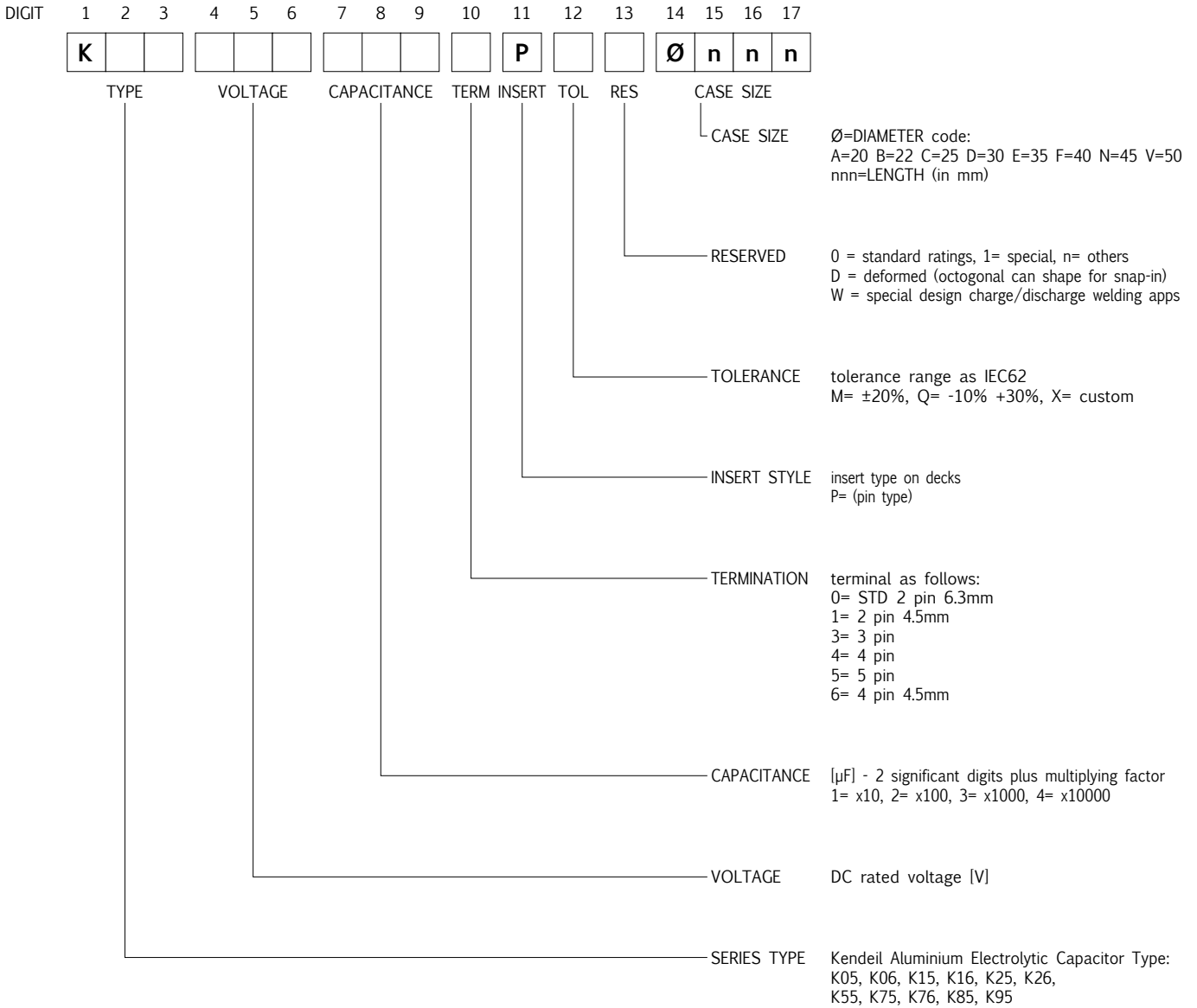
**RATED
VOLTAGE
VDC**

450V

PLEASE TO CONTACT OUR TECHNICAL SERVICE FOR MORE INFORMATION OR SPEC-IN ANALYSIS.

PART NUMBER SYSTEM FOR SNAP-IN TYPE CAPACITORS

New PART-NUMBER CODE in use since Sep 2010. Total length is 17 digits.
Please see examples below and have a reference code from the standard ratings capacitors pages.



EXAMPLES

K	0	5	4	5	0	4	7	1	0	P	M	0	E	0	5	0
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K05 450V 470µF, standard pin, ±20%, 35x50

Specifications subject to change without notice