


CAPACITOR SPECIFICATION

 part number: **K91400123*_HM0J220**

Digit 10 = “*” Stud / Plain style

Digit 12 = “M” Tolerance. Please see electrical parameters

Diagram of dimensions (unit = mm)						76x220
ØD	d	P	M	H	SCREW	
76	18.5 23.0	31.8	M12	16	5MA x 9.5 6MA x 10	
L₁	L1 = L + 2.5 mm L1 toll. -0+3mm		L1 = L + 4.5 mm L1 toll. -1+3mm			
S	M5= 5 -0+1mm from top of deck		M6= 7 -1+1mm from top of deck			
Marking Type -Identification Code Lot Rated capacitance (µF), Rated voltage (Vdc) Negative polarity: gold row  Product compliant to Directive 2002/95/EC						[*] Digit 10 “S” = Stud versions (drawing #1) Digit 10 “0” = Plain versions (drawing #2)

ELECTRICAL PARAMETERS

Nominal Capacitance	12000	µF at 100 Hz
[**]Tolerance Standard	“M”= -20%+20%	on request “Q”= -10%+30%
Temperature range		-40°C to 85°C
Rated Voltage / Surge Voltage	400 / 440	VDC
Max Tang δ	0.09	at 100 Hz - 20°C
Typical ESR	11	mΩ at 100 Hz – 20°C
Typical Impedance Z	10	mΩ at 10 kHz – 20°C
Maximum Leakage Current	6	mA after 5 mins at 20°C
Maximum Ripple Current	31.0	A rsm at 85°C - 100Hz
Useful life	15000	hours at 85°C
Reference Standards	CECC 30.300 IEC 384.4 Long Life Grade	

When ambient temperature and ripple frequency are different from 85°C and 100 Hz, ripple current shall be multiplied by the following compensating factor:

FREQUENCY	FACTOR	TEMPERATURE FACTOR
50 Hz	0.8	35°C 2.2
120 Hz	1.0	45°C 2.1
500 Hz	1.2	55°C 1.8
1000 Hz	1.3	65°C 1.6
>10 kHz	1.5	75°C 1.4
		85°C 1.0
		95°C 0.5

For further specifications: please consult our catalogue at www.kendeil.com