


CAPACITOR SPECIFICATION

 part number: **K015002720HM0J143**

Digit 10 = "0" Plain style

Digit 12 = "M" Tolerance. Please see electrical parameters

Diagram of dimensions (unit = mm)						76x143
ØD	d	P	M	H	SCREW	
51	18.5	22.2	M12	16	5MA x 9.5	
63	18.5	28.6	M12	16	5MA x 9.5	
76	18.5	31.8	M12	16	5MA x 9.5 6MA x 10	
90	18.5	31.8	M12	16	6MA x 10	
L ₁	L ₁ = L + 2.5 mm L ₁ toll. -0+3mm		L ₁ = L + 4.5 mm L ₁ 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	2700	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	500 / 525	VDC
Max Tang δ	0.15	at 100 Hz - 20°C
Typical ESR	70	mΩ at 100 Hz - 20°C
Typical Impedance Z	66	mΩ at 10 kHz - 20°C
Maximum Leakage Current	6.0	mA after 5 mins at 20°C
Maximum Ripple Current	8.2	A rsm at 85°C - 100Hz
Useful life	12000	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
100 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

APPROVED	Righi G	DATE	09/02/16
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