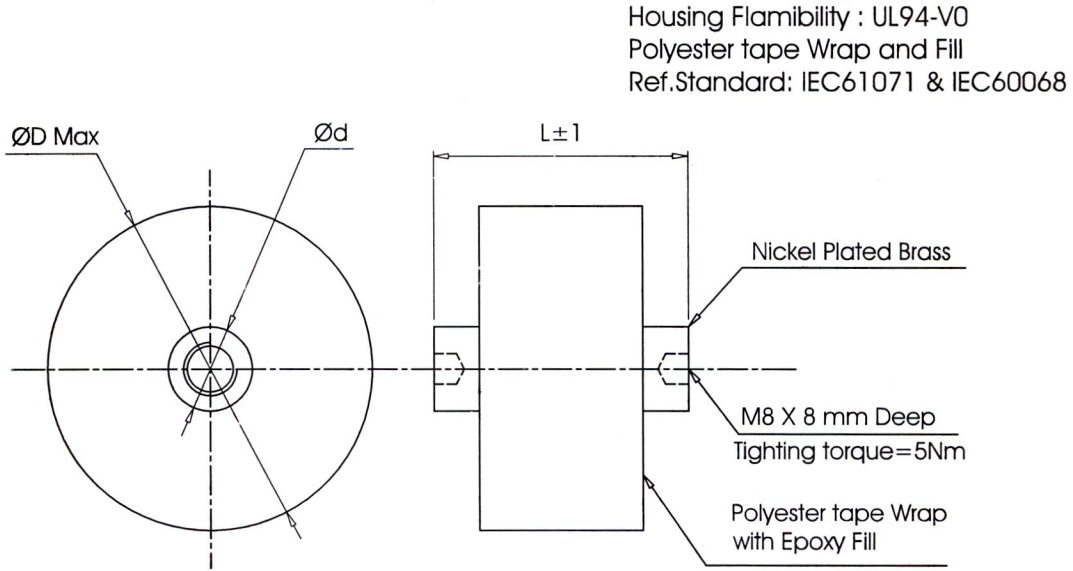


Capacitor Specifications	DC Link Capacitors	
Design reference no:	DCL-50-002 Rev 00	DATE: 17.09.2014
Description:	47 MFD K 500VDC 85 x 51 STD	



Dimensions are in mm

Case Code	Dimensions			Terminal Style
Y2	D (max)	L±1	Ød	STD
	85	51	20	

Electrical parameters

1	Nominal capacitance at 1 KHz and 25 °C (Cr)	47 Micro Farad
2	Capacitance tolerance	±10%
3	Tanδ @ 100 Hz	< 0.001
4	Rated Voltage Urdc	500Vdc
5	Ripple current Rating Irms at 25 °C	57 Amps
6	Ripple current Rating Irms at 45 °C	49 Amps
7	Ripple current Rating Irms at 65 °C	41 Amps
8	Ripple current Rating Irms at 85 °C	25 Amps
9	Ripple current Rating Irms at 105 °C	7 Amps
10	Test voltage between Terminal to Terminal	650Vdc 10 secs
11	Test voltage between Terminal to Case	3kVac, 60 sec
12	Operating temperature with Urdc	-40 ° C to +105 ° C
13	Failure rate	200 FIT (10e9 hours)
14	Expected life (Urdc and 55°C)	120,000 hrs
15	For Life Expectancy- Refer Cataloge DCL-50	

Prepared by

*P. J. K.*

Verified by

*M. J. K.*

Approved by

*M. J. K.*