

# MKK Capacitor

## B25650-E2508-\*\*\*\*

\* preliminary data sheet

**Characteristics**

$C_N$	5000 $\mu\text{F}$ +10/-0 %
$U_N$	DC 2200 V
$U_i$	AC 1900 V
$W_N$	12000 Ws
$I_{\text{max}}$	110 A
$L_{\text{self}}$	140 nH
$\tan\delta_0$	$2 \cdot 10^{-4}$

**Maximum ratings**

$\hat{u}$	2650 V
$u_s$	3300 V

**Test data**

$U_{TT}$	DC 3300 V, 10 s
$U_{TC}$	AC 5400 V, 60 s
$R_{is} \cdot C$	$\geq 10000$ s
$\tan\delta$ (50 Hz)	$\leq 20 \cdot 10^{-4}$

**Climatic category** 40/070/56 (IEC 68-1/2)

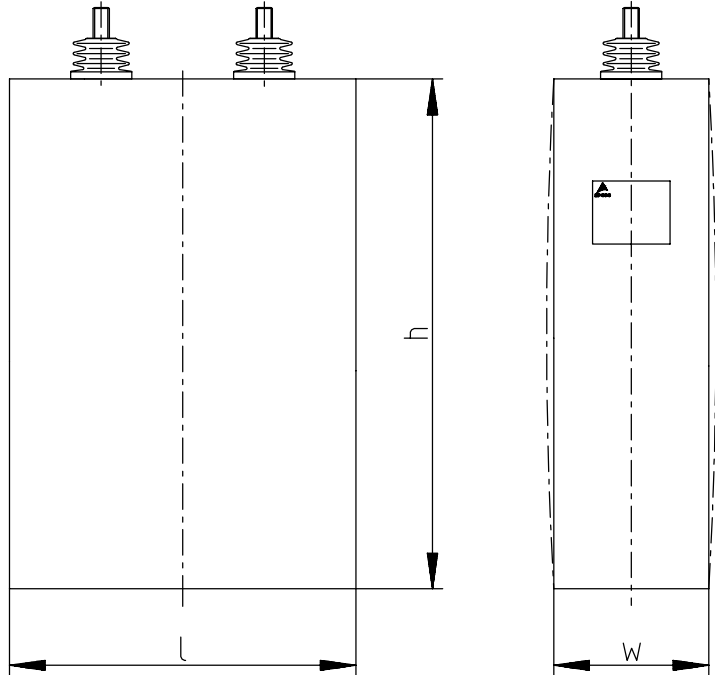
$\Theta_{\text{min}}$	-40 °C
$\Theta_{\text{max}}$	+70 °C
Humidity	Average relative humidity $\leq 95$ %
$\Theta_{\text{stg}}$	-45 bis +85 °C

Values after test Ca, IEC 68-2:  
(56 days, 40°C, 93% rel. humidity)

$\Delta C/C$	$\leq 1$ %
$\Delta \tan\delta$	$\leq 1 \cdot 10^{-4}$
$R_{is} \cdot C$	$\geq 10000$ s

**Life expectancy**

$t_{LD}$	100 000 h
$\alpha_{FQ}$	$200 / 10^9$ h



Dimensions in mm

**Design data**

Dimensions l x w x h	455 x 175 x 565 mm
Approx. weight	50 kg
Impregnation	Gas

Terminals	Screw terminals M12
Max. torque	20 Nm