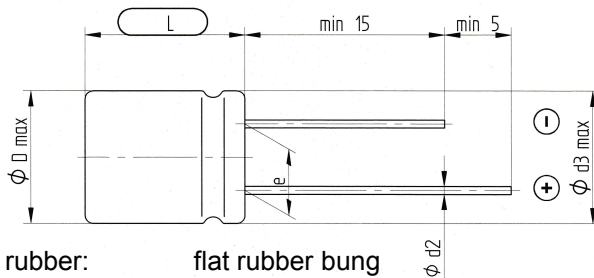


## Aluminium electrolytic capacitor – ERLL 2000 $\mu$ F 4V (polarized, insulated, pulse proof)

date of issue 2017-09



### Dimensions [mm]:

$D_{max}$ :	10,05
L:	12,0 $\pm$ 0,2
e:	5,0 $\pm$ 0,3
$d_2$ :	0,6 $\pm$ 0,05
$d_{3max}$ :	10,0

rubber:	flat rubber bung
case:	without vent
insulation:	PE coated
print image:	print on case bottom (Ink-Jet), negative polarity as beam
lead type:	single end

### Generic specification:

DIN EN 60384-1

### Sectional specification:

DIN EN 60384-4

without quality assessment

### Operating temperature range:

-55 to +105°C

### Climatic category:

55/105/56

### Endurance at least:

min. 3.000 h at  $\leq$  + 105°C

min. 288.000 h at  $\leq$  + 40°C

### Special ratings:

Typ: ERLL 2000  $\mu$ F / 4 V +20/-10%

$\tan \delta$  100Hz +20°C  $\leq$  0,33

ESR 100Hz +20°C (typical)  $\leq$  0,19  $\Omega$

Z 100kHz, +20°C  $\leq$  0,25  $\Omega$

Z 100kHz, +20°C (typical)  $\leq$  0,13  $\Omega$

Ira +20°C 5min  $\leq$  3,00  $\mu$ A

Ira +20°C 10min (typical)  $\leq$  1,20  $\mu$ A

I~ +105°C 100kHz  $\Delta t$  3K  $\leq$  590 mA\*

I~ +85°C 100kHz  $\Delta t$  10K  $\leq$  1100 mA\*

I~ +105°C 100Hz  $\Delta t$  3K  $\leq$  440 mA\*

I~ +85°C 100Hz  $\Delta t$  10K  $\leq$  800 mA\*

\* refer to continuous load

### Packing:

- Bags in carton (500 components / bag)

- 6 bags / carton (1 packing unit)

### Special feature:

Operational leakage current after 5 days continuous at 4V  
(Temperature range -5°C to +60°C): max. 0,05 $\mu$ A / capacitor

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