

Type: PPMA 80-3.0 cs2 (K)

customer: Micronics

date: 02.05.2006
 issued by: db
 version: 1.0
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Technical data

| | | |
|--------------------------------|----------------------------|--------------------------|
| Nominal capacitance | C_N | 3 $\mu\text{F} \pm 10\%$ |
| Nominal voltage dc | U_{NDC} | 800 V |
| Energy | W_N | 0,96 Ws |
| Nominal current (50°C) | I_{RMS} | 34 A |
| Max. Peak current | \hat{I} | 315 A |
| Max. Pulse rise time | $\Delta U/\Delta t$ | 105 V/ μs |
| Series resistance | R_S | 2 m Ω |
| Dissipation factor | $\tan\delta$ | 2 x10 ⁻⁴ |
| Insulation resistance | $C \times R_{\text{iso}}$ | 10 000 s |
| Self inductance | L_E | 20 nH |
| Min. Operating temperature | ϑ_{min} | -25 °C |
| Max. Operating temperature | ϑ_{max} | +70 °C |
| Storage temperature | ϑ_{Lager} | -40...+85 °C |
| Thermal resistance | R_{th} | 16 °C/W |
| Climatic category DIN IEC 68/1 | | 25/070/21 |

Test Data

| | | |
|-----------------------------------|-----------------|----------------|
| Test voltage between terminations | U_{TT} | 1200 V dc / 2s |
|-----------------------------------|-----------------|----------------|

| | |
|------------------------|-----------------|
| Life expectancy | 100 000 h |
| @ hot spot | 60 °C |
| Failure rate | 1 fit |
| applied parameters | 0,5 x UN ; 40°C |

General technical data

| | |
|--------------|--|
| Coating | plastic case with resin sealing Flame retardant according to UL 94-V0 |
| Dielectric | polypropylene |
| Terminations | tinned copper |
| Weight | ca. 47g |

