



## Central mounting

**SZ: Double capacitance 85°C**

RoHS compliant  
 REACH compliant

### Features

- All contacts welded
- Central mounting
- Soldering lug terminals
- High mechanical stability

### Applications

- Industrial
- Tube amplifier
- SMPS

**Different case sizes, voltages and capacitance combinations are available on request. Also in small lots.**

### General specifications

Items		Characteristics
Rated capacitance range $C_R$		22 ... 22.000 $\mu\text{F}$
Capacitance tolerance		-10 +30 %
Rated voltage range $U_R$		16 ... 450 V
Surge voltage $U_S$		$U_R \leq 315 \text{ V}: U_S = 1,15 U_R$ $U_R > 315 \text{ V}: U_S = 1,10 U_R$
Max. reverse voltage		2 V
Category temperature range S, SZ		-40°C ... +85°C
Leakage current $I_L$ after 5 min @ $U_R$		$\leq 0,008 * C_R [\mu\text{F}] * U_R [\text{V}] + 6 \mu\text{A} [\mu\text{A}]$
Useful life	3000 h @ 85 °C; $U_R; I_{R-}$	Requirements $\Delta C/C \leq 30 \%$ of initial value $\text{ESR} \leq 300 \%$ of specified limit $I_L \leq$ specified limit
Endurance test	2000 h @ 85 °C, $U_R$	Requirements $\Delta C/C \leq 20 \%$ of initial value $\text{ESR} \leq 130 \%$ of specified limit $I_L \leq$ specified limit
Climatic category IEC 60068		40/85/56
Voltage proof of the external insulation		$\geq 2500 \text{ V AC}$
Sectional specification		IEC 60384-4





Useful life  
as a function of ambient temperature and actual ripple current

