

# Data Sheet



RoHS Compliant

	<p>diameter (<math>\varnothing D</math>) : 35 mm</p> <p>length (L) : 50 mm</p> <p>grid (a) : 15 mm</p> <p>height (h) : 7 mm</p> <p>terminals : solder lugs</p>		
<h3>Electrical Parameters</h3>			
rated capacitance ( $C_R$ ) @ 100 Hz / 20 °C	<b>50</b>	<b>50</b> $\mu\text{F}$	
tolerance	<b>-10/ +30</b> %		
rated voltage ( $U_R$ )	<b>500</b> V		
surge voltage ( $U_S$ ) max. 5 x 1 min / h	<b>550</b> V		
reverse voltage ( $U_U$ ) max. 1 s	<b>2</b> V		
leakage current ( $I_L$ ) @ $U_R$ / 5 min / 20 °C	<b>150</b>	<b>150</b> $\mu\text{A}$	
ESR typ. @ 100 Hz / 20°C	<b>3.183</b>	<b>3.183</b> $\text{m}\Omega$	
Tan $\delta$ typ. @ 100 Hz / 20°C	<b>10</b>	<b>10</b> %	
Z max. @ 10 kHz / 20°C	<b>2.546</b>	<b>2.546</b> $\text{m}\Omega$	
ESL typ.	<b>20</b> nH		
rated ripple current ( $I_R$ ) @ 100 Hz / 85 °C	<b>0,33</b>	<b>0,33</b> A	
useful life @ $I_R$ , $U_R$ , 85 °C	<b>2.500</b> h		
IEC climatic category / standards	<b>40/085/56</b>		IEC 60384-4
applications			