



Applications:	X2 capacitor for interference suppression and across the line application.											
Reference Standards:	IEC 60384-14:2013, EN60384-14:2014, UL1414:2000, UL60384-14:2014											
 <p>Picture just for reference</p>	Construction											
	• Dielectric	Polypropylene										
	• Electrode	Metallized film (self-healing properties)										
	• Winding	Non-inductive type										
	• Case	Plastic UL 94 V0										
	• Filling Material	Epoxy resin UL94 V0										
	• Terminals	Tinned lead wire (lead free)										
• Lead spacing	20.0, 19.0, 22.5, 27.5, and 37.5mm											
• Automotive types	AEC-Q200 approval											
• RoHS	Compatible with directive 2011/65/EU											
Electrical technical specification												
• Capacitance	C_n	0.0047 = 20.0 μ F										
• Tolerance	N	$\pm 10\%$, 220% (other tolerance upon request)										
• Rated voltage	V_n (VAC)	275 VAC/305 VAC/350 VAC/440 VAC (50/60Hz)										
• Max. continuous DC voltage	V_{DC}	760V										
• Dissipation factor	$\tan \delta$	$\leq 1.0 \times 10^{-3}$ at 1 kHz $\leq 5.0 \times 10^{-3}$ at 10 kHz										
• Insulation resistance R_{ins} or constant τ at 20 °C, rel. humidity $\leq 95\%$, $\tau = C_n \cdot R_{ins}$	τ	30,000s										
• Pulse handling capability (E1/E2)	V/ μ s	<table border="1"> <tr> <td>13 x 10mm</td> <td>15mm</td> <td>22.5mm</td> <td>27.5mm</td> <td>37.5mm</td> </tr> <tr> <td>4%</td> <td>500</td> <td>170</td> <td>120</td> <td>80</td> </tr> </table>	13 x 10mm	15mm	22.5mm	27.5mm	37.5mm	4%	500	170	120	80
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4%	500	170	120	80								
• Operating AC voltage V_{op} At high temperature (V_{AC} at 50/60Hz)	$T_{max} \leq 120^\circ\text{C}$	$V_{op} = V_{AC}$ continuously $V_{op} = 1.25 V_{AC}$ for 1000h										
Thermal characteristics												
• Lowest category temperature	T_{min} (°C)	-40°C										
• Maximum category temperature $T_{max} = T_a + T_{self-heating}$	T_{max} (°C)	+110°C										
• Rated temperature	T_r (°C)	+85°C										
• Climatic category as per IEC 60068-1		40/110/56/B										
• Damp heat test Limit values after damp heat test	Test condition $\Delta C/C$ (%)	56 days / 40°C / 93%RH 13%										
	$\Delta \tan \delta$	$\leq 5 \times 10^{-3}$ (at 1 kHz)										
	R_{ins}	250% of minimum as delivered values										
• Storage conditions	T (°C)	-40 to 60°C										
	RH (%)	Avt. 57% (60% for max. 30 days during the year) without condensation.										
• Passive flammability category		0										

We warrant the items to meet technical demands without other needs to increase reliability, function or wider or otherwise.

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Edition 01
 2020-09-15