

## Aluminum Electrolytic Capacitor Specification

Series	KLF	25 V 470 $\mu$ F	Part No.	KLF-025V471MF160-T/A5.0
Customer No.	/		Case size	$\Phi$ D 8 X L16
Specification	Items		Standard	
	Operating temperature range		- 40 ~ + 105 $^{\circ}$ C	
	Capacitance tolerance		$\pm$ 20% ( 20 $^{\circ}$ C , 120Hz )	
	Dissipation factor (MAX)		( Less than ) 0.14 ( 20 $^{\circ}$ C , 120Hz )	
	Leakage current (MAX)		( Less than ) 117.5 $\mu$ A ( 20 $^{\circ}$ C 25 V 1 min )	
	Impedance (MAX)		/	
	Ripple current (MAX)		840 mArms ( 100KHz , 105 $^{\circ}$ C )	
	Load life		8000 hrs	
Outline	Sleeve color		Black	
	Marking color		White	
	( Dimensions )			
	<p>The drawing shows a side view of the capacitor with the following dimensions and labels:         <ul style="list-style-type: none"> <li><b>Vent</b>: A small protrusion on the top surface.</li> <li><b>Sleeve</b>: The outer cylindrical housing.</li> <li><b>Markings</b>: A rectangular area on the sleeve for identification.</li> <li><b>Wires</b>: Two leads extending from the bottom, labeled with <math>\oplus</math> and <math>\ominus</math>. The diameter of the wire is specified as <math>\Phi 0.6 \pm 0.05</math>.</li> <li><b>Dimensions</b>:             <ul style="list-style-type: none"> <li>Overall length: <math>16 + 1.5\text{max}</math></li> <li>Distance from vent to wire start: <math>15\text{min}</math></li> <li>Wire length: <math>4\text{min}</math></li> <li>Height: <math>8 + 0.5\text{MAX}</math></li> </ul> </li> </ul>         The top view shows a circular cross-section with a <b>Flat Rubber</b> seal and a <b>Taping space</b> of <math>5.0 (+0.8 - 0.2)</math>.       </p> <p style="text-align: right;">(unit):mm</p>			
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