

**KEMET Part Number: MDK10105K50A52P3TUBE**  
(F683AA105K050T)

**KEMET**

a YAGEO company

MDK/F68, Film, Metallized Polyester, Dual-In-Line, 1 uF, 10%, 30 VAC, 50 VDC, 85°C, 10mm



**Dimensions**

<b>L</b>	11mm +/-0.2mm
<b>L2</b>	2.96mm MAX
<b>W</b>	12.2mm +/-0.2mm
<b>H</b>	6.05mm +/-0.2mm
<b>H1</b>	9.25mm +1mm
<b>S</b>	10mm +/-0.2mm
<b>S1</b>	2.54mm +/-0.2mm
<b>S2</b>	5.08mm +/-0.2mm
<b>LL</b>	3.2mm +1mm
<b>F</b>	0.5mm +/-0.05mm
<b>E</b>	0.2mm MAX
<b>G</b>	0.3mm MAX
<b>X</b>	0.35mm +/-0.05mm

**Packaging Specifications**

<b>Packaging:</b>	Tube
<b>Packaging Quantity:</b>	43

**General Information**

<b>Series:</b>	MDK/F68
<b>Dielectric:</b>	Metallized Polyester
<b>Style:</b>	Dual-In-Line
<b>RoHS:</b>	Yes
<b>Lead:</b>	Wire Leads
<b>AEC-Q200:</b>	No

**Specifications**

<b>Capacitance:</b>	1 uF
<b>Capacitance Tolerance:</b>	10%
<b>Voltage AC:</b>	30 VAC
<b>Voltage DC:</b>	50 VDC
<b>Temperature Range:</b>	-55/+125°C
<b>Rated Temperature:</b>	85°C
<b>Dissipation Factor:</b>	0.8% 1kHz, 1.5% 10kHz, 5% 100kHz
<b>Insulation Resistance:</b>	5 GOhms
<b>Inductance:</b>	4 nH

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