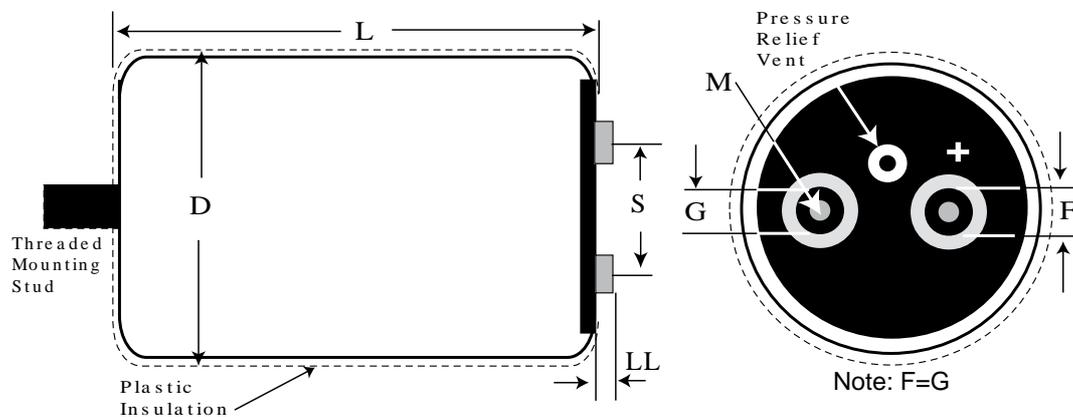


# A451GK103M063A

aka PEH200MD5100MB2

Capacitor, aluminum, 10000 uF, +/-20% Tol, -40/+85C, 63V@85C



## Dimensions (mm)

ID	Dimension	Tolerance
D	36.6	+/-1
L	97.5	+/-1
S	13	+/-0.5
LL	7.4	+/-0.5
F	8	+/-0.5
M	5	

## Specifications

<b>Manufacturer:</b>	KEMET
<b>Capacitance:</b>	10000 uF
<b>Rated Temperature:</b>	85C
<b>Voltage @ rated temp:</b>	63V
<b>VDC Surge:</b>	72.45WVDC
<b>Life @ rated temp:</b>	8400 h
<b>Temperature Range:</b>	-40/+85C
<b>RoHS:</b>	Yes
<b>Low ESR:</b>	Yes
<b>Low Impedance:</b>	Yes
<b>Tolerance:</b>	+/-20%
<b>Part Type Description:</b>	Radial Cylindrical Aluminum Electrolytic
<b>Style:</b>	Computer Grade
<b>Lead Type:</b>	Threaded Inserts with Mounting Stud
<b>Lead Form:</b>	Round Terminals
<b>Lead Specification:</b>	m5
<b>ESR at 100Hz @ room temp:</b>	15 mOhm
<b>ESR at 120Hz @ room temp:</b>	14 mOhm
<b>ESR at 1kHz @ room temp:</b>	10 mOhm
<b>ESR at 100kHz @ room temp:</b>	10 mOhm
<b>Leakage Current:</b>	1.89 mA
<b>Leakage Condition:</b>	5min/20c
<b>Impedance @ 10kHz:</b>	10 mOhm
<b>Impedance @ 100kHz:</b>	14 mOhm
<b>Ripple 100Hz @ rated temp:</b>	13.6 A
<b>Ripple 120Hz @ rated temp:</b>	13.9 A
<b>Ripple 10kHz @ rated temp:</b>	17.6 A
<b>Ripple 20kHz @ rated temp:</b>	17.6 A
<b>Ripple 10kHz @ alt temp:</b>	27 A
<b>Ripple 10kHz alt temp:</b>	40C
<b>Miscellaneous Electrical:</b>	series (ALS30), Ripple10k_50C(2m/s forced air)=27000
<b>Package Kind:</b>	Bulk
<b>Package Quantity:</b>	42