

# KELTRON COMPONENT COMPLEX LTD.



ISO 9001-2015 Certified Company

## TECHNICAL DATA SHEET

Rating	: 450F/2.7V
Series	: GA
Size	: Dia : $\Phi 35\text{mm} \pm 1\text{mm}$ : Length : $70\text{mm} \pm 2\text{mm}$
Capacitance	: 450F -20% to +30%
Rated voltage	: 2.7VDC
Leakage Current@72hrs	: 1mA max.
ESR max. @DC	: 14m $\Omega$
Temp category	: -40°C to +55°C
Keltron part number	: GA451CQDKLBG
Endurance category	: +55°C /1000Hrs

### A. LIFE TEST SUMMARY

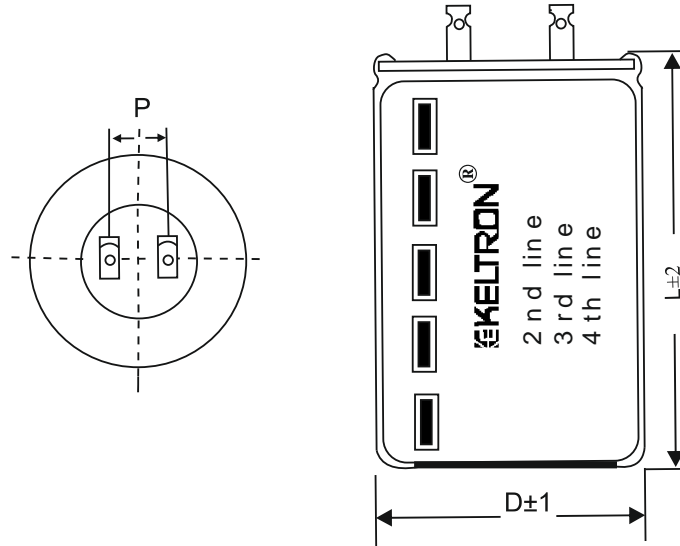
Tests	Life cycle	High temperature load life	Storage temperature characteristics	Vibration resistance	Humidity
Test condition Parameters	Capacitors are cycled between rated voltage and half rated voltage under constant current at +30°C for 300000 cycles	Temperature: +55°C Voltage: Rated voltage Test duration: 1000hrs	Storage duration :2years No load temperature: +35°C	Amplitude :1.5mm Frequency: 10-55Hz Direction: x,y,z for 2 hrs each	Voltage: Rated voltage RH: 90% Temperature: +50°C Test duration: 1000hrs
Capacitance	$\leq 30\%$ of initial measured capacitance value	$\leq 30\%$ of initial measured capacitance value	$\leq 30\%$ of initial measured capacitance value	$\leq 30\%$ of initial measured capacitance value	$\leq 30\%$ of initial measured capacitance value
ESR	$\leq 200\%$ of initial measured value	$\leq 200\%$ of initial measured value	$\leq 200\%$ of initial measured value	$\leq 200\%$ of initial measured value	$\leq 200\%$ of initial measured value
Appearance	No remarkable defects	No remarkable defects	No remarkable defects	No remarkable defects	No remarkable defects

As a part of continuous development, Design and Specifications are subject to change without notice

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## PHYSICAL OUTLINE & PRINTING DETAILS



1 <sup>st</sup> line : KELTRON	3 <sup>rd</sup> line : 450F GA	Dia D : 35mm	Pitch P : 14mm
2 <sup>nd</sup> line : SUPERCAP	4 <sup>th</sup> line : 2.7VDC XX*	Height L : 70mm	

\* XX indicates date code

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