

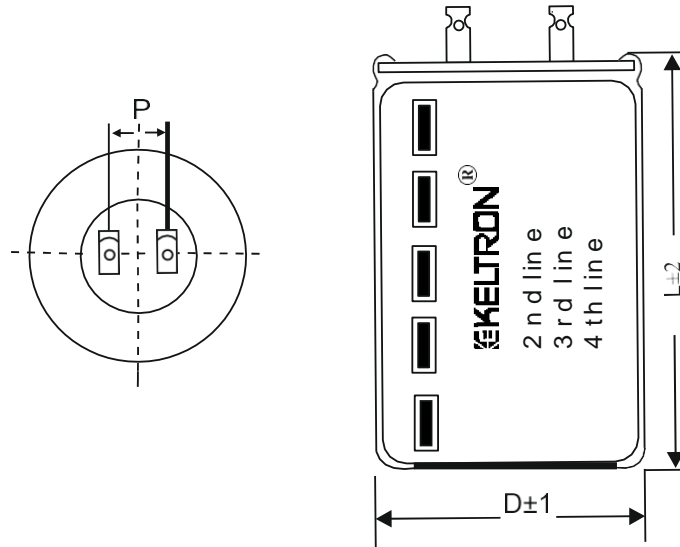
**TECHNICAL DATA SHEET**

Rating	: 70F/2.7V
Series	: GA
Size	: Dia : $\Phi 25\text{mm} \pm 1\text{mm}$ : Length : $35\text{mm} \pm 2\text{mm}$
Capacitance	: 70F -20% to +30%
Rated voltage	: 2.7VDC
Leakage Current@72hrs	: 0.25 $\mu$ A max.
ESR max. @DC	: 15 m $\Omega$
Temp category	: -40°C to +55°C
Keltron part number	: GA700CQBCLBG
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 value	$\leq 30\%$ of initial measured value	$\leq 30\%$ of initial measured value	$\leq 30\%$ of initial measured value	$\leq 30\%$ of initial measured 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

**B. PHYSICAL OUTLINE & PRINTING DETAILS**



All dimensions are in mm

1 <sup>st</sup> line : KELTRON	3 <sup>rd</sup> line : 70F GA	Dia D : 25mm	Pitch P : 10mm
2 <sup>nd</sup> line : SUPERCAP	4 <sup>th</sup> line : 2.7VDC XX*	Height L : 35mm	

\* XX indicates date code