

Features

- SMT reflow soldering process available
- Small-sized, large capacity and low ESR
- Wide operating temperature range(-40~70°C)
- RoHS compliant

Applications

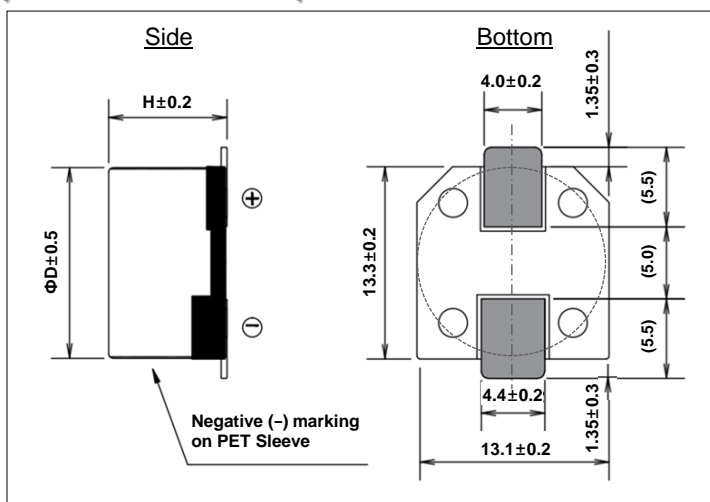
- Memory or Real time clock(RTC) back-up for Meters, Industrial Controllers, Home Appliances, EV Chargers, Solar Inverters, Smart Home Device, etc.



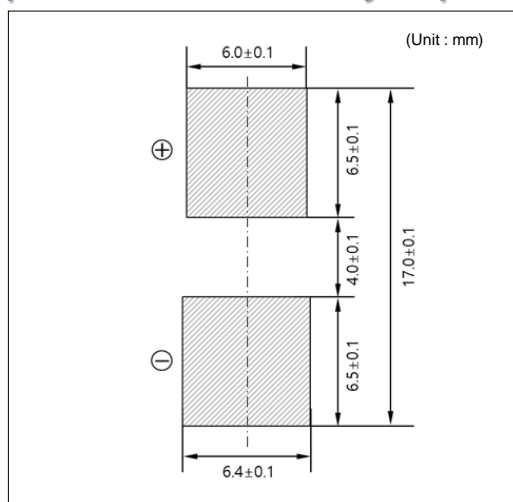
Specifications

Items	Characteristics
Maximum operating voltage	5.5VDC
Operating temperature	-40 to +70°C
Nominal Cap. range	0.22 to 0.47F
Capacitance tolerance	-20% to +80%(at 25°C)
Characteristics at Low temperature(-40°C)	Capacitance change : $\leq 50\%$ of the initial value at +25°C Internal resistance : Less than eight(8) times of the initial value at +25°C
Endurance	After 1,000hours application of rated DC working voltage at +70°C, the capacitor shall meet the following limits. <ul style="list-style-type: none"> • Capacitance change : $\pm 30\%$ of the initial value • Internal resistance : Less than four times of the spec. value
Shelf life	After 1,000hours storage at +70°C without load, the capacitor shall meet the specified limit for "Endurance"

Dimensions in mm



Recommendable PCB Layout



Product List

Part Number	Operating Voltage (V)	Capacitance (F)	ESR (Ω , @1kHz)	Size(mm)	
				ΦD	H
DCSR5R5224	5.5	0.22	≤ 75	13.2	8.2
DCSR5R5334		0.33	≤ 75	13.2	8.2
DCSR5R5474		0.47	≤ 50	13.2	8.2

Features

- SMT reflow soldering process available
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- Wide operating temperature range(-40~85°C)
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Applications

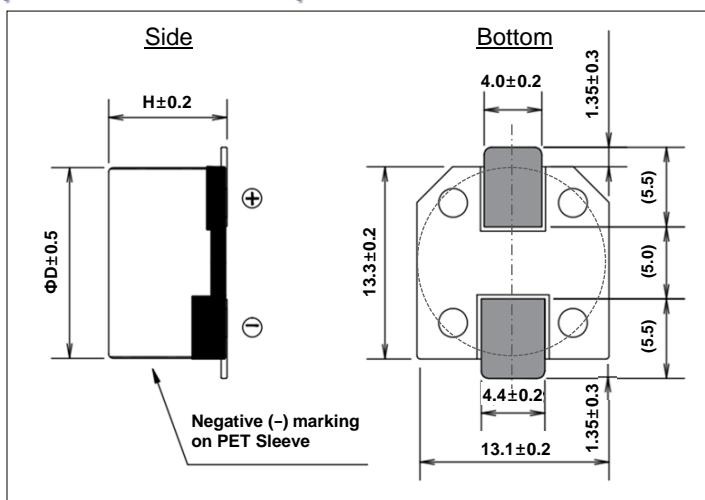
- Memory or Real time clock(RTC) back-up for Meters, Industrial Controllers, Home Appliances, EV Chargers, Solar Inverters, Smart Home Device, etc.



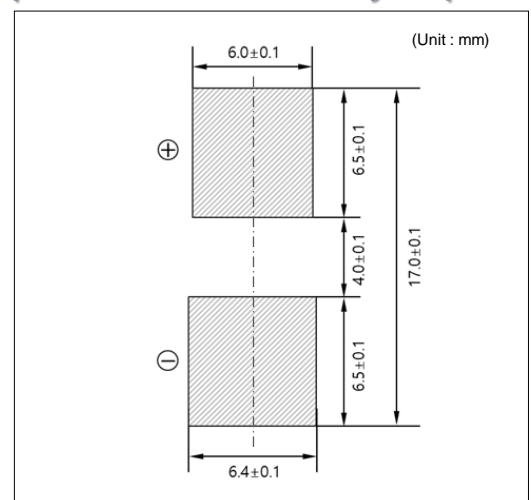
Specifications

Items	Characteristics
Maximum operating voltage	3.6VDC
Operating temperature	-40 to +85°C
Nominal Cap. range	0.22 to 0.47F
Capacitance tolerance	-20% to +80%(at 25°C)
Characteristics at Low temperature(-40°C)	Capacitance change : $\leq 50\%$ of the initial value at +25°C Internal resistance : Less than eight(8) times of the initial value at +25°C
Endurance	After 1,000hours application of rated DC working voltage at +85°C, the capacitor shall meet the following limits. <ul style="list-style-type: none"> • Capacitance change : $\pm 30\%$ of the initial value • Internal resistance : Less than four times of the spec. value
Shelf life	After 1,000hours storage at +85°C without load, the capacitor shall meet the specified limit for "Endurance"

Dimensions in mm



Recommendable PCB Layout



Product List

Part Number	Operating Voltage (V)	Capacitance (F)	ESR (Ω , @1kHz)	Size(mm)	
				ΦD	H
DCSR3R6224T	3.6	0.22	≤ 75	13.2	8.2
DCSR3R6334T		0.33	≤ 75	13.2	8.2
DCSR3R6474T		0.47	≤ 50	13.2	8.2

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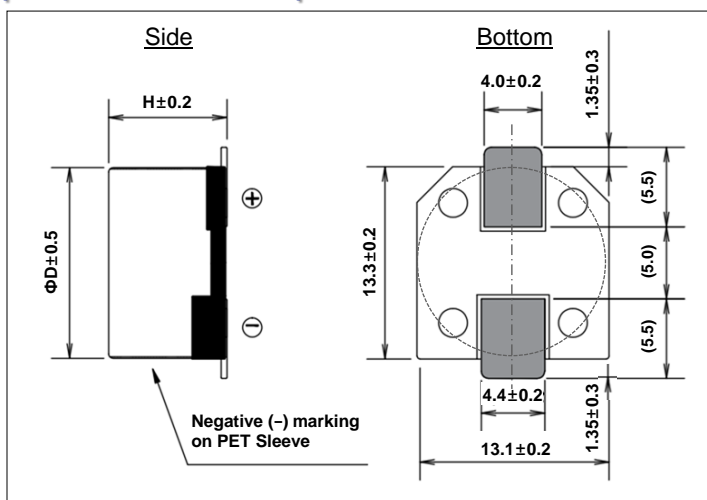
- Memory or Real time clock(RTC) back-up for Meters, Industrial Controllers, Home Appliances, EV Chargers, Solar Inverters, Smart Home Device, etc.



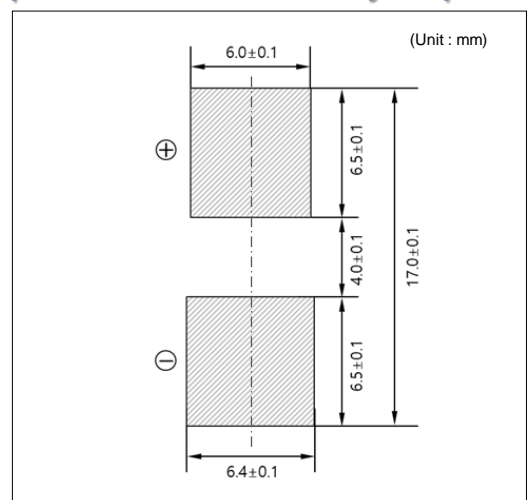
Specifications

Items	Characteristics
Maximum operating voltage	5.5VDC
Operating temperature	-40 to +85°C
Nominal Cap. range	0.22 to 0.33F
Capacitance tolerance	-20% to +80%(at 25°C)
Characteristics at Low temperature(-40°C)	Capacitance change : ≤ 50% of the initial value at +25°C Internal resistance : Less than eight(8) times of the initial value at +25°C
Endurance	After 1,000hours application of rated DC working voltage at +85°C, the capacitor shall meet the following limits. <ul style="list-style-type: none"> • Capacitance change : ±30% of the initial value • Internal resistance : Less than four times of the spec. value
Shelf life	After 1,000hours storage at +85°C without load, the capacitor shall meet the specified limit for "Endurance"

Dimensions in mm



Recommendable PCB Layout



Product List

Part Number	Operating Voltage (V)	Capacitance (F)	ESR (Ω , @1kHz)	Size(mm)	
				ΦD	H
DCSR5R5224T	5.5	0.22	≤ 75	13.2	10.1
DCSR5R5334T		0.33	≤ 75	13.2	10.1