

## Features

- Smaller and lighter than DCL Series
- Small-sized, large capacity
- Wider operating temperature range(-25~70°C) than normal batteries

## Applications

- Memory back-up for Video, Audio, Cameras, CCTV, Printer, Camcorder, Telephones, Car stereo, E-meter, Toy, Computer, Notebook PC, Rice cooker, Home network etc

## Specifications

Items	Characteristics
Maximum operating voltage	5.5VDC
Operating temperature	-25 to +70°C
Nominal Cap. range	0.047 to 0.47F
Capacitance tolerance	-20% to +80%(at 25°C)
Characteristics at Low temperature(-25°C)	Capacitance change : $\leq 50\%$ of the initial value at +25°C Internal resistance : Less than five 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"> <li>• Capacitance change : <math>\pm 30\%</math> of the initial value</li> <li>• Internal resistance : Less than four times of the initial value</li> </ul>
Shelf life	After 1,000hours storage at +70°C without load, the capacitor shall meet the specified limit for "Endurance"



V-TYPE

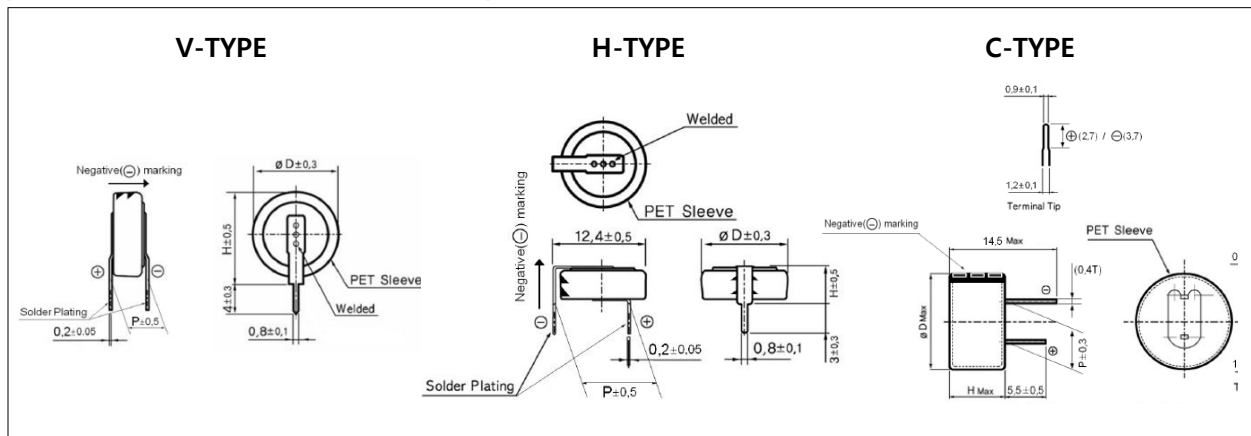


H-TYPE



C-TYPE

## Dimensions in mm(not to scale)



## Standard products

Part Number	Operating Voltage (V)	Capacitance (F)	ESR ( $\Omega$ , @1kHz)	V type(mm)			H type(mm)			C type(mm)		
				$\Phi D$	H	P	$\Phi D$	H	P	$\Phi D$	H	P
DCS 5R5 473	5.5	0.047	$\leq 120$	11.5	12.5	5.0	11.5	5.5	10.0	13.5	7.0	5.0
DCS 5R5 104		0.10	$\leq 75$	11.5	12.5	5.0	11.5	5.5	10.0	13.5	7.0	5.0
DCS 5R5 224		0.22	$\leq 75$	11.5	12.5	5.0	11.5	5.5	10.0	13.5	7.0	5.0
DCS 5R5 334		0.33	$\leq 50$	11.5	12.5	5.0	11.5	5.5	10.0	13.5	7.0	5.0
DCS 5R5 474		0.47	$\leq 50$	11.5	12.5	5.0	11.5	5.5	10.0	13.5	7.0	5.0

Note : It is not allowed to go through reflow (IR, Atmosphere heating methods etc.) process

## Features

- Smaller and lighter than DCLT Series
- Small-sized, large capacity
- Wide operating temperature range up to +85°C(-25~85°C)

## Applications

- Memory back-up for Video, Audio, Cameras, CCTV, Printer, Camcorder, Telephones, Car stereo, E-meter, Toy, Computer, Notebook PC, Rice cooker, Home network etc

## Specifications

Items	Characteristics
Maximum operating voltage	3.6VDC
Operating temperature	-25 to +85°C
Nominal Cap. range	0.047 to 0.47F
Capacitance tolerance	-20% to +80%(at 25°C)
Characteristics at Low temperature(-25°C)	Capacitance change : $\leq 50\%$ of the initial value at +25°C Internal resistance : Less than five 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"> <li>• Capacitance change : <math>\pm 30\%</math> of the initial value</li> <li>• Internal resistance : Less than four times of the initial value</li> </ul>
Shelf life	After 1,000hours storage at +85°C without load, the capacitor shall meet the specified limit for "Endurance"



V-TYPE

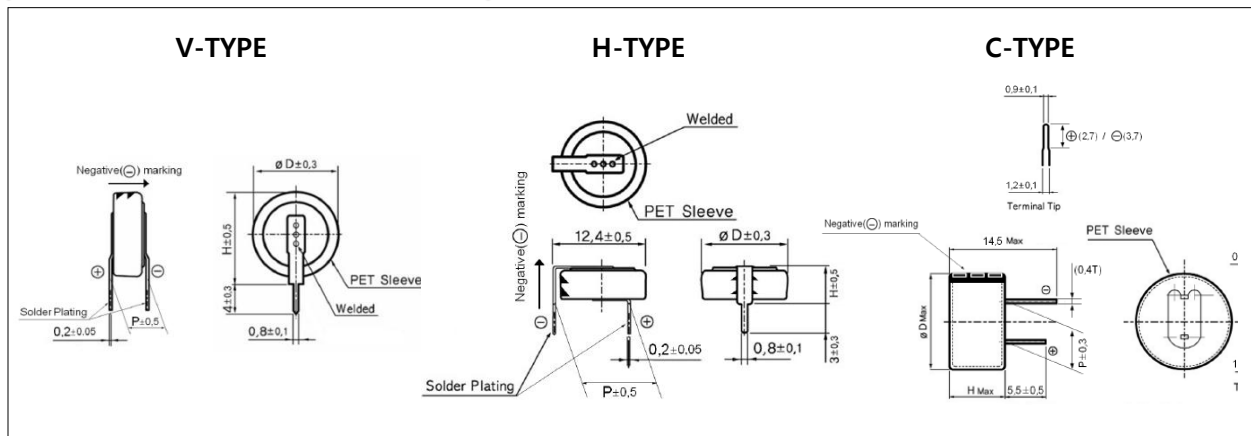


H-TYPE



C-TYPE

## Dimensions in mm(not to scale)



## Standard products

Part Number	Operating Voltage (V)	Capacitance (F)	ESR ( $\Omega$ , @1kHz)	V type(mm)			H type(mm)			C type(mm)		
				$\Phi D$	H	P	$\Phi D$	H	P	$\Phi D$	H	P
DCST 3R6 473	3.6	0.047	$\leq 120$	11.5	12.5	5.0	11.5	5.5	10.0	13.5	7.0	5.0
DCST 3R6 104		0.10	$\leq 75$	11.5	12.5	5.0	11.5	5.5	10.0	13.5	7.0	5.0
DCST 3R6 224		0.22	$\leq 75$	11.5	12.5	5.0	11.5	5.5	10.0	13.5	7.0	5.0
DCST 3R6 334		0.33	$\leq 50$	11.5	12.5	5.0	11.5	5.5	10.0	13.5	7.0	5.0
DCST 3R6 474		0.47	$\leq 50$	11.5	12.5	5.0	11.5	5.5	10.0	13.5	7.0	5.0

Note : It is not allowed to go through reflow (IR, Atmosphere heating methods etc.) process

## Features

- Smaller and lighter than DCLT Series
- Small-sized, large capacity
- Wide operating temperature range up to +85°C(-25~85°C)

## Applications

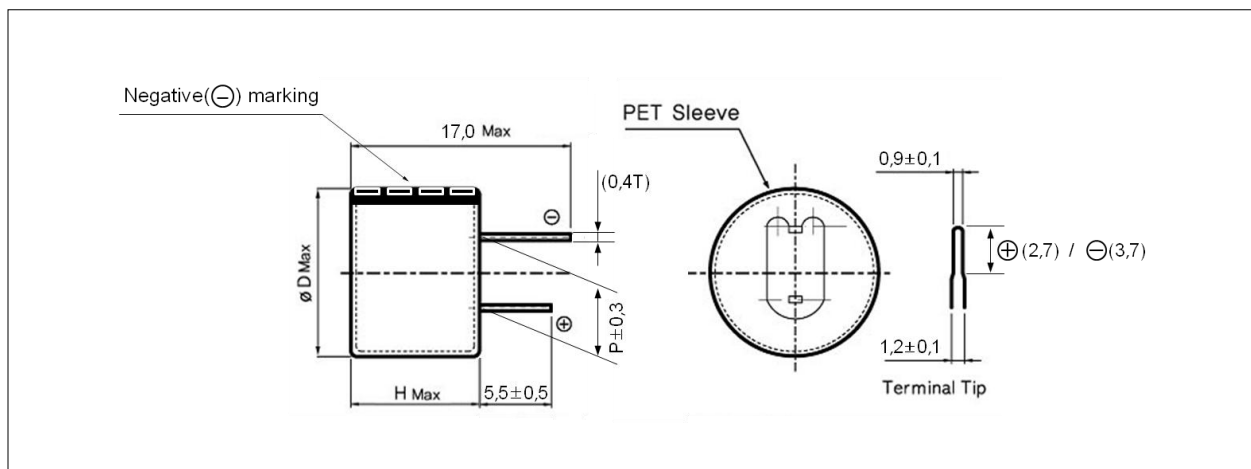
- Memory back-up for Video, Audio, Cameras, CCTV, Printer, Camcorder, Telephones, Car stereo, E-meter, Toy, Computer, Notebook PC, Rice cooker, Home network etc



## Specifications

Items	Characteristics
Maximum operating voltage	5.5VDC
Operating temperature	-25 to +85°C
Nominal Cap. range	0.1 to 0.33F
Capacitance tolerance	-20% to +80%(at 25°C)
Characteristics at Low temperature(-25°C)	Capacitance change : $\leq 50\%$ of the initial value at +25°C Internal resistance : Less than five 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"> <li>• Capacitance change : <math>\pm 30\%</math> of the initial value</li> <li>• Internal resistance : Less than four times of the initial value</li> </ul>
Shelf life	After 1,000hours storage at +85°C without load, the capacitor shall meet the specified limit for "Endurance"

## Dimensions in mm(not to scale)



## Standard products

Part Number	Operating Voltage (V)	Capacitance (F)	ESR ( $\Omega$ , @1kHz)	$\Phi D \times H \times P$ (mm)
DCST 5R5 104	5.5	0.10	$\leq 120$	13.5×9.5×5.0
DCST 5R5 224		0.22	$\leq 75$	13.5×9.5×5.0
DCST 5R5 334		0.33	$\leq 75$	13.5×9.5×5.0

**Note :** It is not allowed to go through reflow (IR, Atmosphere heating methods etc.) process

## Features

- Smaller and lighter than DCLH Series
- Small-sized, large capacity
- Wide operating voltage range up to 6.3V

## Applications

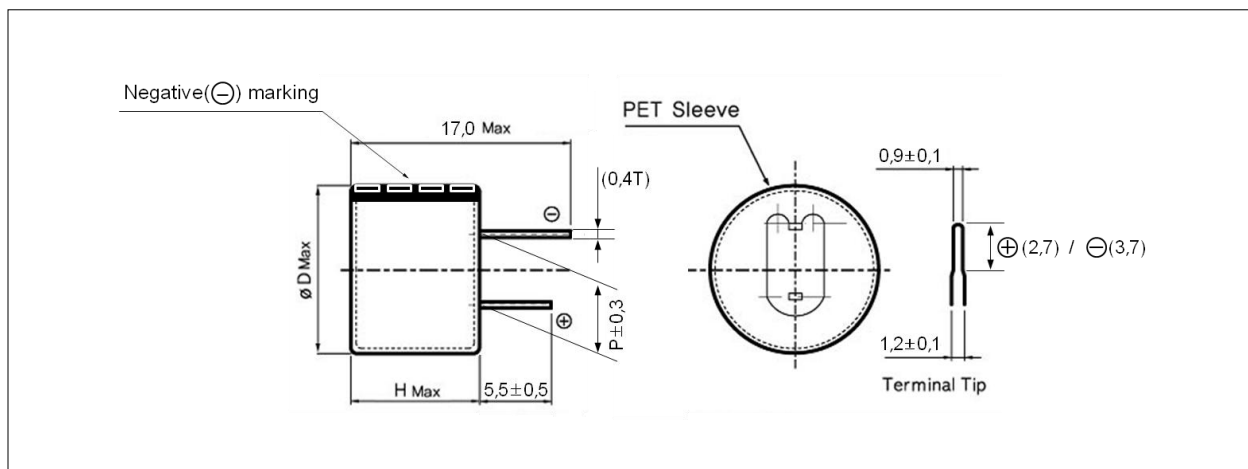
- Memory back-up for Video, Audio, Cameras, CCTV, Printer, Camcorder, Telephones, Car stereo, E-meter, Toy, Computer, Notebook PC, Rice cooker, Home network etc



## Specifications

Items	Characteristics
Maximum operating voltage	6.3VDC
Operating temperature	-25 to +70°C
Nominal Cap. range	0.1 to 0.33F
Capacitance tolerance	-20% to +80%(at 25°C)
Characteristics at Low temperature(-25°C)	Capacitance change : $\leq 50\%$ of the initial value at +25°C Internal resistance : Less than five 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"> <li>• Capacitance change : <math>\pm 30\%</math> of the initial value</li> <li>• Internal resistance : Less than four times of the initial value</li> </ul>
Shelf life	After 1,000hours storage at +70°C without load, the capacitor shall meet the specified limit for "Endurance"

## Dimensions in mm(not to scale)



## Standard products

Part Number	Operating Voltage (V)	Capacitance (F)	ESR ( $\Omega$ , @1kHz)	$\Phi D \times H \times P$ (mm)
DCSH 6R3 104	6.3	0.10	$\leq 120$	13.5×9.5×5.0
DCSH 6R3 224		0.22	$\leq 75$	13.5×9.5×5.0
DCSH 6R3 334		0.33	$\leq 75$	13.5×9.5×5.0

**Note :** It is not allowed to go through reflow (IR, Atmosphere heating methods etc.) process