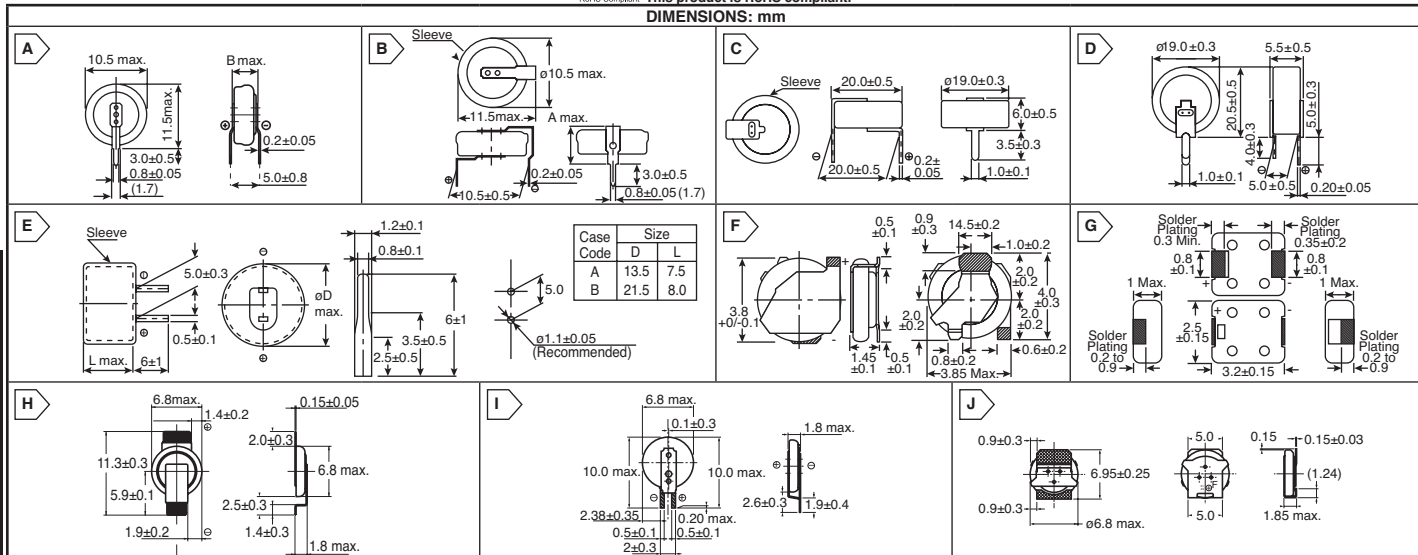


# PANASONIC Electric Double Layer Capacitors Panasonic

RoHS Compliant This product is RoHS compliant.

DIMENSIONS: mm



Supercapacitors

## STACKED COIN CAPACITORS (CONT.)

### SD Series

#### Features:

- Endurance: 70°C 1000h

#### Specifications:

- Category Temp. Range: -25°C to +70°C
- Max. Operating Voltage: 5.5VDC
- Nominal Cap. Range: 0.022F to 0.33F

#### Recommended Applications:

- Memory backup for video and audio equipment, cameras, telephones, printers, data terminals, rice cookers, intelligent remote controls

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Value (Farads)	Internal Resistance (Ω @ 1kHz)	Recommended Discharge Rate (Max. mA)	Terminal Style	Price Each			
							1	25	100	500
667-EEC-S0HD223V	EECS0HD223V	A	0.022	≤150	.0176 ~ .0396	V	1.53	1.05	.905	.683
667-EEC-S0HD223H	EECS0HD223H	B	0.022	≤150	.0176 ~ .0396	H	1.53	1.05	.905	.683
667-EEC-S0HD473V	EECS0HD473V	A	0.047	≤120	.0376 ~ .0846	V	1.58	1.08	.936	.707
667-EEC-S0HD473H	EECS0HD473H	B	0.047	≤120	.0376 ~ .0846	H	1.58	1.08	.936	.707
667-EEC-S0HD104V	EECS0HD104V	A	0.1	≤75	.08 ~ .18	V	1.64	1.12	.968	.731
667-EEC-S0HD104H	EECS0HD104H	B	0.1	≤75	.08 ~ .18	H	1.64	1.12	.968	.731
667-EEC-S0HD224V	EECS0HD224V	A	0.22	≤75	.176 ~ .396	V	1.69	1.16	1.00	.755
667-EEC-S0HD224H	EECS0HD224H	B	0.22	≤75	.176 ~ .396	H	1.69	1.16	1.00	.755
667-EEC-S0HD334V	EECS0HD334V	A	0.33	≤75	.264 ~ .594	V	1.75	1.20	1.03	.781
667-EEC-S0HD334H	EECS0HD334H	B	0.33	≤75	.264 ~ .594	H	1.75	1.20	1.03	.781

### SG Series

#### Features:

- Endurance: 70°C 1000h
- Maximum height of 6.5mm (H Terminal)

#### Recommended Applications:

- Memory backup for video and audio equipment, cameras, telephones, printers, data terminals, rice cookers, intelligent remote controls

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Value (Farads)	Internal Resistance (Ω @ 1kHz)	Recommended Discharge Rate (Max. mA)	Terminal Style	1	25	100	500
667-EEC-S5R5H474	EECS5R5H474	C	0.47	≤30	.376 ~ 1.41	H	3.74	2.59	2.35	1.74
667-EEC-S5R5V474	EECS5R5V474	D	0.47	≤30	.376 ~ 1.41	V	3.74	2.59	2.35	1.74
667-EEC-S5R5H105	EECS5R5H105	C	1.0	≤30	.8 ~ 1.8	H	3.87	2.69	2.43	1.81
667-EEC-S5R5V105	EECS5R5V105	D	1.0	≤30	.8 ~ 1.8	V	3.87	2.69	2.43	1.81
667-EEC-S5R5H155	EECS5R5H155	C	1.5	≤30	1.2 ~ 2.7	H	4.45	3.09	2.80	2.08
667-EEC-S5R5V155	EECS5R5V155	D	1.5	≤30	1.2 ~ 2.7	V	4.45	3.09	2.80	2.08

### NF Series

#### Features:

- Endurance: 70°C 1000h

#### Recommended Applications:

- Memory backup for video and audio equipment, cameras, telephones, printers, data terminals, rice cookers, intelligent remote controls

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Value (Farads)	Internal Resistance (Ω @ 1kHz)	Recommended Discharge Rate (Max. mA)	Terminal Style	1	25	100	500
667-EEC-F5R5U104	EECF5R5U104	E	0.1	≤75	.08 ~ .18	-	1.83	1.29	1.12	.86
667-EEC-F5R5U224	EECF5R5U224	E	0.22	≤75	.176 ~ .396	-	2.37	1.82	1.19	.907
667-EEC-F5R5U474	EECF5R5U474	E	0.47	≤30	.376 ~ 1.41	-	4.09	2.84	2.57	1.91
667-EEC-F5R5U105	EECF5R5U105	E	1.0	≤30	.8 ~ 1.8	-	4.09	2.84	2.57	1.91
667-EEC-F5R5U155	EECF5R5U155	E	1.5	≤30	1.2 ~ 2.7	-	3.91	3.05	2.65	2.18

## SURFACE MOUNT TYPE

### EP Series

#### Features:

- Miniaturized size: Dia. - 3.8mm, Height - 1.5mm Max.
- Reflow soldering method available (260°C)

#### Specifications:

- Category Temp Range: -10°C to +60°C

#### Recommended Applications:

- Mobile phones, PDAs
- RTC backup



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Value (Farads)	Internal Resistance (Ω @ 1kHz)	Recommended Discharge Rate (Max. mA)	Terminal Style	1	25	100	500
667-EEC-EP0F333Y	EEC-EP0F333Y	F	0.033	≤350	5	Y	2.09	1.69	1.46	1.33

### ER Series

#### Features:

- Size 322510 (Nothing smaller in EDLC industry)
- Reflow soldering method available (260°C)

#### Specifications:

- Category Temp Range: -25°C to +60°C

#### Recommended Applications:

- Mobile phones, PDAs
- Smartphones RTC backup



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Value (Farads)	Internal Resistance (Ω @ 1kHz)	Recommended Discharge Rate (Max. mA)	Terminal Style	1	25	100	500
667-EEC-ER0E153	EEC-ER0E153	G	0.015	≤300	8	-	2.26	1.93	1.58	1.44

### EN Series

#### Features:

- Re-flow soldering method available (250°C)
- Miniaturized: Longer life and environmentally friendly

#### Specifications:

- Category Temp Range: -10°C to +60°C
- Maximum Operating Temperature: 3.3VDC

- Nominal Capacitance: 0.2F
- Maximum Operating Current: 10μA Max.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Value (Farads)	Internal Resistance (Ω @ 1kHz)	Recommended Discharge Rate (Max. mA)	Terminal Style	1	25	100	500
667-EEC-EN0F204A	EECEN0F204A	H	0.2	≤200	.16 ~ .36	AK	2.56	1.97	1.87	1.56
667-EEC-EN0F204AK	EECEN0F204AK	H	0.2	≤200	.16 ~ .36	AK	2.43	1.87	1.78	1.48
667-EEC-EN0F204RK	EECEN0F204RK	I	0.2	≤200	.16 ~ .36	RK	2.43	1.87	1.78	1.48
667-EEC-EN0F204J2	EECEN0F204J2	J	0.2	≤200	.16 ~ .36	J2	2.43	1.87	1.78	1.48
667-EEC-EN0F204RL	EECEN0F204RL	I	0.2	≤200	.16 ~ .36	RK	2.56	1.97	1.87	1.56
667-EEC-EN0F204B	EECEN0F204B	J	0.2	≤200	.16 ~ .36	J2	2.56	1.97	1.87	1.56