

#### **Surface Mount Type** SP-Cap

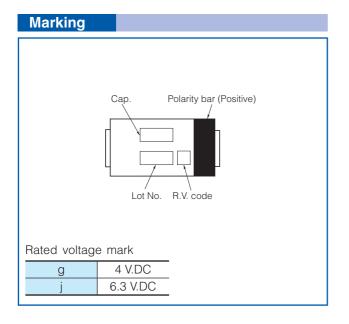
Series: CY, SY (Guaranteed at 85 °C)

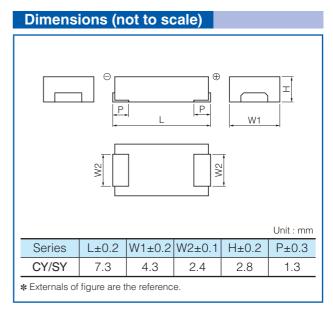


#### **Features**

- Endurance 85 °C 2000 h
- Product height (3.0 mm max.)
- High ripple current (5100 mAr.m.s. to 6300 mAr.m.s. max.)
- RoHS compliance, Halogen free

Specifications					
Series	CY / SY				
Category temp. range	−55 °C to +85 °C				
Rated voltage range	4 V.DC, 6.3 V.DC				
Nominal cap.range	330 μF to 470 μF				
Capacitance tolerance	±20 % (120 Hz / + 20 °C)				
DC leakage current	I ≤ 0.1 CV (μA) [4 V.DC, 6.3 V.DC, 2 minutes]				
Dissipation factor (tan $\delta$ )	≤ 0.06 (120 Hz / + 20 °C)				
Surge voltage (V.DC)	Rated voltage × 1.25 [4 V.DC, 6.3 V.DC] (15 °C to 35 °C)				
Endurance	+85 °C, 2000 h, rated voltage applied				
	Capacitance change	Within ±20 % of the initial value			
Lilidulatioe	tan $\delta$	≤ 2 times of the initial limit			
	DC leakage current	current ≤ 3 times of the initial limit			
Damp heat (Steady state)	+60 °C, 90 %, 500 h, No-applied voltage				
	Capacitance change	4 V.DC	6.3 V.DC		
	of initial measurd value	+60 %, –20 %	+50 %, -20 %		
	tan $\delta$	≤ 2 times of the initial limit			
	DC leakage current	Within the initial limit			







### **Conductive Polymer Aluminum Electrolytic Capacitors**

#### **Characteristics list**

Reflow *3	<standard></standard>		
	Min.*4		

Series	Rated voltage (V.DC)	Capacitance (±20 %) (µF)	Case size (mm)			Specification			Min.*4
			L	W	Н	Ripple current (mAr.m.s.)	ESR $(m\Omega \max.)$	Part number	Packaging Q'ty (pcs)
CY	4	470	7.3	4.3	2.8	5100	15	ECGCY0G471R	2000
6.3	6.3	330	7.3	4.3	2.8	5100	15	ECGCY0J331R	2000
SY	4	470	7.3	4.3	2.8	6300	9	ECGSY0G471R	2000
31	6.3	330	7.3	4.3	2.8	6300	9	ECGSY0J331R	2000

<sup>\*1:</sup> Ripple current (100 kHz/ +45°C)

<sup>\*4:</sup> Please contact us when 500 pcs packing is necessary.

Temperature compensation multipliers for ripple current							
Temp.	T ≦ 45 °C	45 °C < T ≦ 65 °C	65 °C < T ≦ 85 °C				
Coefficient	1.0	0.7	0.25				

<sup>\*2:</sup> ESR (100 kHz/+20 °C)

<sup>\*3:</sup> Please refer to the page of "Mounting Specifications"



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- When you use the inventory of our products for which it is unclear whether those products are compliant with the RoHS Directive/REACH Regulation, please select "Sales Inquiry" in the website inquiry form and contact us.

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