## Surface Mount Type SP-Cap

### Series : CY, SY (Guaranteed at 85 °C)

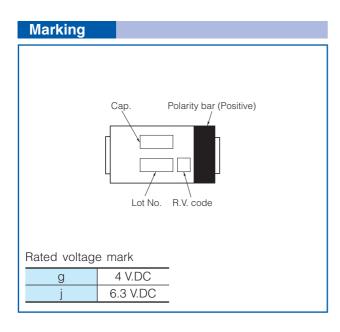


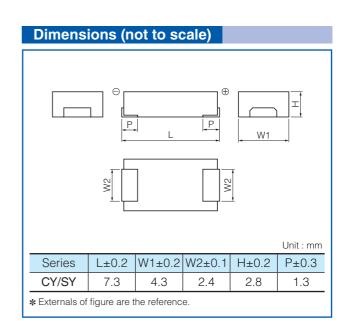
### Features

- 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

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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					
	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 $\delta$	$\leq$ 2 times of the initial limit					
	DC leakage current	Within the initial limit					





Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

# **Panasonic** Conductive Polymer Aluminum Electrolytic Capacitors

#### **Characteristics list**

								Reflow *3	<standard></standard>
Series vol			Case size (mm)			Specification			Min.*4
	Rated voltage (V.DC)	Capacitance (±20 %) (µF)	L	W	Н	*1 Ripple current (mAr.m.s.)	*2 ESR (mΩ max.)	Part number	Packaging Q'ty (pcs)
CY	4	470	7.3	4.3	2.8	5100	15	ECGCY0G471R	2000
Cr	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
	6.3	330	7.3	4.3	2.8	6300	9	ECGSY0J331R	2000

\*1: Ripple current (100 kHz/ +45°C )

\*2: ESR (100 kHz/+20 °C)

**\***3: Please refer to the page of "Mounting Specifications".

\*4: 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

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