

# HYBRID CONDUCTIVE POLYMER CAPACITOR FOR 150°C HIGH TEMPERATURE



**SUNCON** expanded its hybrid capacitors portfolio to another series. The new HVJ series is characterized by the temperature tolerance up to 150 °C for 1000 hours. It also has all the outstanding features of the hybrid technology.

## FEATURES

- » suitable for applications at high temperatures of 150 °C, 1000 hours
- » small ESR
- » high Ripple compatibility
- » No significant ESR changes over the entire temperature range
- » extreme reliability
- » RoHS compliant, AECQ200 compliant
- » meets TS 16949 standard

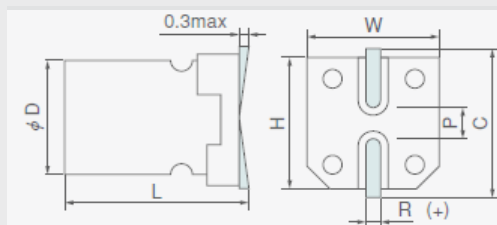
## MODEL NUMBER

35	HV	J	100	M
				Capacitance tolerance
				Rated capacitance code
				Series code
				Type code
				Rated voltage

## SPECIFICATIONS

Rated voltage (V)	—	25	35
Surge voltage (V)	Room temperature	32	44
Category temperature range (°C)	—	-40 to +150	
Capacitance tolerance (%)	120Hz/20°C	M: ±20	
Dissipation Factor (tanδ)	tanδ (max) 120Hz/20°C	0.16	0.16
Leakage current (LC)	μ A/after 2minutes (max)	The greater value of either 0.01CV or 3	
Endurance	150°C rated voltage applied (With the rated ripple current)	Test	1,000hrs.
		Δ C/C	Within ±30% of the initial value
		tanδ	≤ 2 times the initial specified value
		ESR	≤ 2 times the initial specified value
		LC	≤ The initial specified value

## DIMENSIONS (mm)



A pressure relief vent is attached to products over φ D=8

D +0.5MAX.	L ±0.3	W ±0.2	H ±0.2	C ±0.2	R	(P)
8	10.5	8.3	8.3	9.0	0.7 to 1.0	3.2
10	10.5	10.3	10.3	11.0	1.0 to 1.4	4.6
10	12.5	10.3	10.3	11.0	1.0 to 1.4	4.6

## CASE SIZE, ESR, RIPPLE CURRENT

μF \ V	25	35
100		8 x 10.5 30 710
150	8 x 10.5 27 740	10 x 10.5 23 830
220	10 x 10.5 22 850	10 x 12.5 17 950
270	10 x 10.5 22 850	
330	10 x 12.5 16 970	

Bechgröße  
ø x L [mm]

Ripple-Strom [mA]  
(100kHz, 150°C)

ESR [mΩ]  
max. @ 100kHz, 20°C