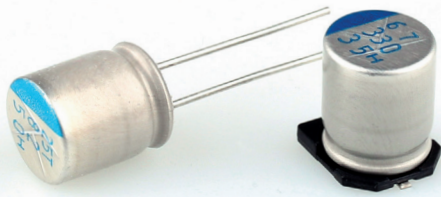
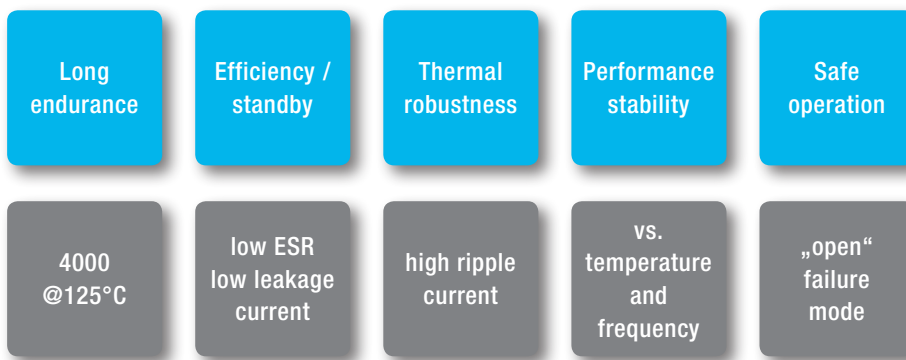


# HYBRID LINE UP



**SUN Electronic Industries (SEI)** is the inventor of hybrid capacitors, sold under the brand name "EP-cap". SUN manufactures these capacitors since 2006 and is now finalizing the 4th generation. All hybrid capacitors are AEC-Q200 qualified and are manufactured according to the TS 16949 standard.

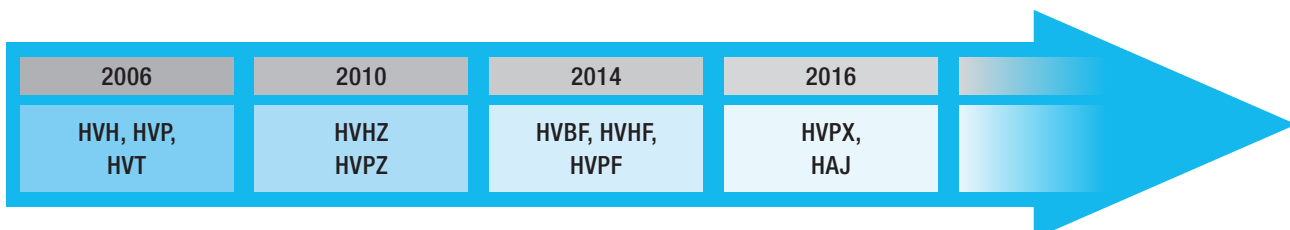
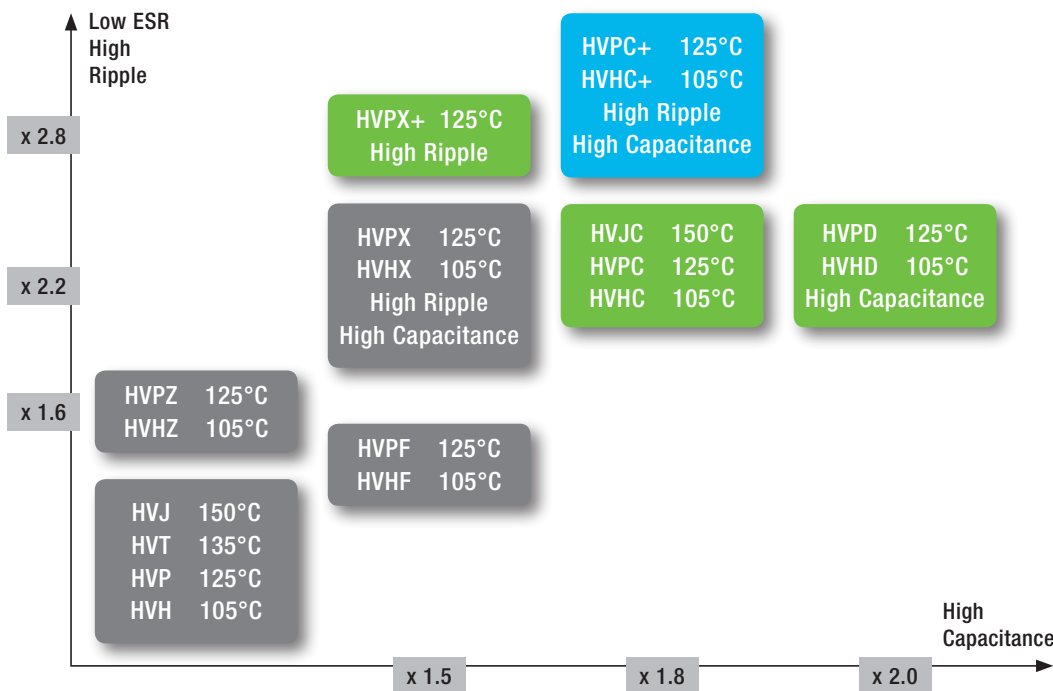
## HYBRID CAPACITORS – THE SERIES



## FEATURES

- Line up for SMD technology and radial from 6 V to 125 V
- Max. ripple @100 kHz / 105 °C – 4.340 mArms
- Life time @105°C – up to 10.000h
- Low ESR down to 14 mOhm

## LINE UP / ROADMAP



# HYBRID CONDUCTIVE POLYMER TYPE / SURFACE MOUNT TYPE



## HVPX SERIES

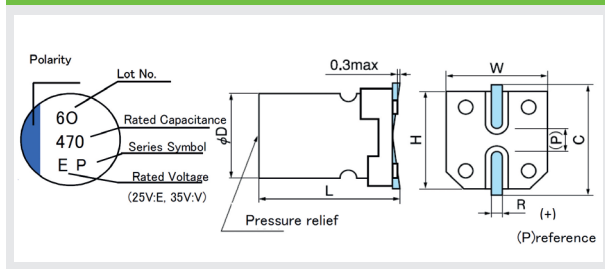
## 125 °C HIGH RIPPLE CURRENT

- 125 °C 4,000 hours
- Solvent proof (within 2 minutes)



ITEMS	CONDITION	SPECIFICATIONS	
<b>SPECIFICATIONS</b>			
Rated voltage (V)	–	25	35
Surge voltage (V)	Room temperature	32	44
Category temperature range (°C)	–	-55 ~ +125	
Capacitance tolerance (%)	120 Hz/20 °C	M:±20	
Dissipation Factor (tan δ)	tan δ (max) 120 Hz/20 °C	0.14	0.12
Leakage current (LC)	µA/after 2 minutes (max)	0.01 CV	
Endurance	125 °C rated voltage applied (With the rated ripple current)	Test	4,000 hours
		ΔC/C	Within ±30 % of the initial value
		tan δ	Less than 200 % of the specified value
		ESR	Less than 200 % of the specified value
		LC	Less than the specified value

## MARKING, DIMENSIONS



	D +0.5MAX.	L ±0.3	W ±0.2	H ±0.2	C ±0.2	R	P
<b>SPECIFICATIONS (Unit: mm)</b>							
8	10.5	8.3	8.3	9.0	0.7 ~ 1.0	3.2	
10	10.5	10.3	10.3	11.0	1.0 ~ 1.4	4.6	
10	12.5	10.3	10.3	11.0	1.0 ~ 1.4	4.6	

<b>SIZE, ESR, RATED RIPPLE CURRENT</b>						
150				8 × 10.5	27	2900
220	8 × 10.5	27	2900			
270				10 × 10.5	20	3300
330	10 × 10.5	20	3300	10 × 12.5	17	3800
470	10 × 12.5	16	3800			

ESR (mΩ)  
MAX. at 100 kHz, 20 °C

Rated ripple current  
mA r.m.s. (100 kHz, 125 °C)

Case size; Ø D × L (mm)

## PART NUMBER

