



## HYBRID POLYMER CAPACITORS

PHV

PHV SERIES

UPGRADE

- High Temperature Operation
- Surface Mount Type
- Life:2000~4000 Hours at 135°C
- AEC-Q200 , 85°C/85% RH , RoHS Compliant



## ◆規格表 SPECIFICATIONS

Item	Characteristics					
Temperature Range	-55~+135°C(150°C)					
Rated Voltage Range	25~63Vdc					
Capacitance Tolerance	±20% (20°C, 120Hz)					
Leakage Current (MAX)	I=0.01CV or 3 μ A After 2 minutes (whichever is greater.)					
	I= ( μ A) Leakage Current	C=( μ F) Capacitance	V=(Vdc) Rated Voltage			
Dissipation Factor (MAX)	(Vdc) Rated Voltage	25	35	50	63	(20°C, 120Hz)
	tan δ	0.14	0.12	0.10	0.08	
Endurance (Life)	After applying rated voltage with rated ripple current for 4000 hours(φ6.3:2000 hours) at 125°C or 135°C, the capacitors shall meet the following Criteria.					
Biased Humidity/Temperature 85°C/85%RH	After applying rated voltage for 2000 hours at 85°C and humidity of 85%, the capacitors shall meet the following Criteria .					
Over Temperature Durability	After applying rated voltage for 2000 hours(φ6.3:150 hours) at 150°C,the capacitors shall meet the criteria.					
Criteria	Capacitance Change	Within ±30% of the initial value.				
	Dissipation Factor	Not more than 200% of the specified value.				
	ESR	Not more than 200% of the specified value.				
	Leakage Current	Not more than the specified value.				
Low Temperature Stability Impedance Ratio (MAX)	$Z(-55^{\circ}\text{C})/Z(+20^{\circ}\text{C}) \leq 2.0$ (100kHz) $Z(-25^{\circ}\text{C})/Z(+20^{\circ}\text{C}) \leq 1.5$					

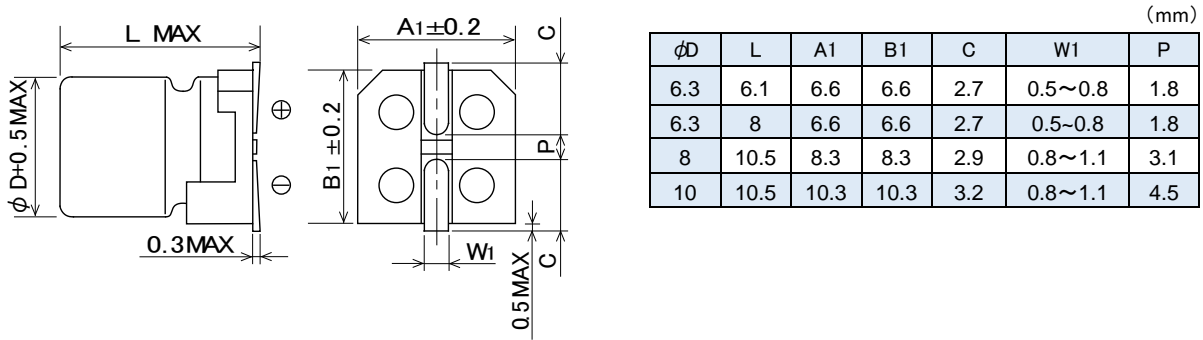
## ◆ PART NUMBER

<u>□□□</u>	<u>PHV</u>	<u>□□□</u>	<u>M</u>	<u>□□□</u>	<u>φDxL</u>
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Case Size

\*Specifications subject to change without notice.

**Rubycon** **HYBRID POLYMER CAPACITORS** **PHV**

◆ 寸法図 DIMENSIONS



◆ Standard size

Rated Voltage (V)	Capacitance (μF)	Size φD × L (mm)	Dissipation Factor(MAX) (tan δ) 120Hz,20°C	Leakage Current (μA/2min)	ESR (mΩ MAX)		Rated Ripple Current (mA r.m.s./100kHz)	
					20°C,100kHz	-40°C,10kHz	135°C	125°C
25	56	6.3×6.1	0.14	14.0	50	75	900	1400
	100	6.3×8	0.14	25.0	30	45	1400	2200
	220	8×10.5	0.14	55.0	22	33	1600	2900
	330	10×10.5	0.14	82.5	20	30	2000	3600
35	47	6.3×6.1	0.12	16.5	60	90	900	1400
	68	6.3×8	0.12	23.8	35	53	1400	2200
	150	8×10.5	0.12	52.5	22	33	1600	2900
	270	10×10.5	0.12	94.5	20	30	2000	3600
NEW 50	68	8×10.5	0.10	34.0	30	45	1250	2300
	100	10×10.5	0.10	50.0	28	42	1600	2900
NEW 63	33	8×10.5	0.08	20.8	40	60	1100	2100
	56	10×10.5	0.08	35.3	30	45	1400	2600

◆ FREQUENCY CORRECTION COEFFICIENT FOR RIPPLE CURRENT

f (Hz) Frequency	120	1k	10k	100k≤
Coefficient	0.05	0.30	0.70	1.00

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