

# HVDCAP series

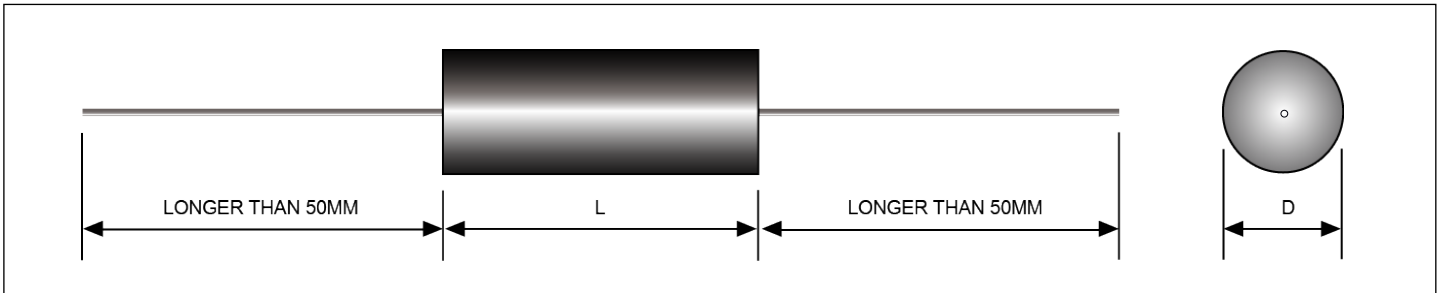


HIGH VOLTAGE DC CAPACITORS,  
METALLIZED POLYPROPYLENE SELFHEALING TYPE,  
PLASTIC STRONG CASED AND EPOXY FILLED

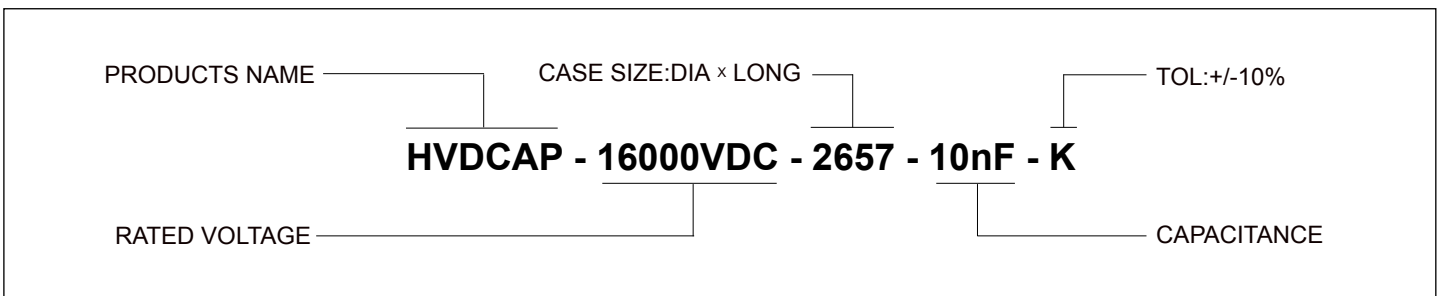
VOICE : +82-31-429-6379  
FAX : +82-31-429-9127  
E-MAIL : info@3RLab.com



## DIEMENSION



## ORDERING INFORMATION



All of specifications Subject to change without prenotice.



*HIGH VOLTAGE DC CAPACITORS,  
METALLIZED POLYPROPYLENE SELFHEALING TYPE,  
PLASTIC STRONG CASED AND EPOXY FILLED*

VOICE : +82-31-429-6379  
FAX : +82-31-429-9127  
E-MAIL : [info@3RLab.com](mailto:info@3RLab.com)

## PRODUCTS OF GENERAL SPECIFICATIONS

---

### ELECTRICAL SPECIFICATIONS

#### TOLERANCE:

±10% STANDARD MANUFACTURING, AT THE SAME TIME IF STOCKED THEN OTHERS AVAILABLE.  
AND OTHER TOL AVAILABLE WITH CUSTOM OF ADDITIONAL CHARGE.

#### CAPACITANCE:

ALL OF SPECIFIED CAPACITANCES ARE MEASURED AT 1KHZ , AND ROOM TEMPERATURE 20°C~25°C.

#### DISSIPATION FACTOR:

BETTER THAN 0.1% AT MEASURED 1KHz , ROOM TEMPERATURE 20°C~25°C.

#### DIELECTRIC STRENGTH:

140% x RATED VOLTAGE FOR 10Secs.

#### STANDARD MANUFACTURING OF RATED VOLTAGE:

2000VDC, 4000VDC, 6000VDC, 8000VDC, 10000VDC, 16000VDC.  
AND CUSTOM HIGHER VOLTAGE MIGHT BE AVAILABLE WITH ADDITIONAL CHARGE.

#### TEMPERATURES :

RATED VOLTAGE OF OPERATIONAL FROM -55°C TO +65 °C  
IF @ +85 °C ; RATED VOLTAGE X 75% , +105 °C MAX STORAGE TEMPERATURE FOR A MINUTE.

---

### PHYSICAL CHARACTERISTICS

#### CONSTRUCTION:

NON-INDUCTIVE DESIGNED IN WOUND METALLIZED POLYPROPYLENE, SELF HEALING TYPE.  
\*HVDCAP-16000VDC-????H-????nF-K SERIES : METALIZED PP & METALIZED PET COMBINATION.

#### LEAD WIRE IN AXIAL :

TINNED COPPER WIRE, DIAMETERS ARE DESCRIBED IN THE TALBE.

#### CASE PACKAGING :

FLAME RETARDANT PLASTIC STRONG CASING AND EPOXY FILL.

HIGH VOLTAGE DC CAPACITORS,  
METALLIZED POLYPROPYLENE SELFHEALING TYPE,  
PLASTIC STRONG CASED AND EPOXY FILLED

VOICE : +82-31-429-6379  
FAX : +82-31-429-9127  
E-MAIL : info@3RLab.com

## 2000 VDC, RATED VOLTAGE

PRODUCTS NUMBER: HVDCAP-VOLTAGE- DIAxLONG-000?F-K(%)	CAPACITANCE (+/-10%)	D		L		Lead wire Dia	
		MM	inch	MM	inch	MM	inch
HVDCAP-2000VDC-1240-1nF-K	1nF	12	0.472	40	1.575	0.8	0.031
HVDCAP-2000VDC-1240-1.5nF-K	1.5nF	12	0.472	40	1.575	0.8	0.031
HVDCAP-2000VDC-1440-2.2nF-K	2.2nF	14	0.551	40	1.575	0.8	0.031
HVDCAP-2000VDC-1440-3.3nF-K	3.3nF	14	0.551	40	1.575	0.8	0.031
HVDCAP-2000VDC-1640-4.7nF-K	4.7nF	16	0.630	40	1.575	1.0	0.039
HVDCAP-2000VDC-1840-6.8nF-K	6.8nF	18	0.709	40	1.575	1.0	0.039
HVDCAP-2000VDC-1840-10nF-K	10nF	18	0.709	40	1.575	1.0	0.039
HVDCAP-2000VDC-2040-15nF-K	15nF	20	0.787	40	1.575	1.0	0.039
HVDCAP-2000VDC-2040-22nF-K	22nF	20	0.787	40	1.575	1.0	0.039
HVDCAP-2000VDC-2240-33nF-K	33nF	22	0.866	40	1.575	1.0	0.039
HVDCAP-2000VDC-2440-47nF-K	47nF	24	0.945	40	1.575	1.0	0.039
HVDCAP-2000VDC-2257-68nF-K	68nF	22	0.866	57	2.244	1.0	0.039
HVDCAP-2000VDC-2457-100nF-K	100nF	24	0.945	57	2.244	1.0	0.039
HVDCAP-2000VDC-2657-150nF-K	150nF	26	1.024	57	2.244	1.0	0.039
HVDCAP-2000VDC-2857-220nF-K	220nF	28	1.102	57	2.244	1.0	0.039
HVDCAP-2000VDC-3257-330nF-K	330nF	32	1.260	57	2.244	1.0	0.039
HVDCAP-2000VDC-3657-470nF-K	470nF	36	1.417	57	2.244	1.0	0.039
HVDCAP-2000VDC-4257-680nF-K	680nF	42	1.654	57	2.244	1.0	0.039
HVDCAP-2000VDC-5057-1uF-K	1uF	50	1.969	57	2.244	1.0	0.039

HIGH VOLTAGE DC CPACITORS,  
METALLIZED POLYPROPYLENE SELFHEALING TYPE,  
PLASTIC STRONG CASED AND EPOXY FILLED

VOICE : +82-31-429-6379  
FAX : +82-31-429-9127  
E-MAIL : info@3RLab.com

## 4000 VDC, RATED VOLTAGE

PRODUCTS NUMBER: HVDCAP-VOLTAGE- DIAxLONG-000?F-K(%)	CAPACITANCE (+/-10%)	D		L		Lead wire Dia	
		MM	inch	MM	inch	MM	inch
HVDCAP-4000VDC-1240-1nF-K	1nF	12	0.472	40	1.575	0.8	0.031
HVDCAP-4000VDC-1440-1.5nF-K	1.5nF	14	0.551	40	1.575	0.8	0.031
HVDCAP-4000VDC-1440-2.2nF-K	2.2nF	14	0.551	40	1.575	0.8	0.031
HVDCAP-4000VDC-1640-3.3nF-K	3.3nF	16	0.630	40	1.575	1.0	0.039
HVDCAP-4000VDC-1840-4.7nF-K	4.7nF	18	0.709	40	1.575	1.0	0.039
HVDCAP-4000VDC-1840-6.8nF-K	6.8nF	18	0.709	40	1.575	1.0	0.039
HVDCAP-4000VDC-2040-10nF-K	10nF	20	0.787	40	1.575	1.0	0.039
HVDCAP-4000VDC-2240-15nF-K	15nF	22	0.866	40	1.575	1.0	0.039
HVDCAP-4000VDC-2040-22nF-K	22nF	20	0.787	40	1.575	1.0	0.039
HVDCAP-4000VDC-2257-33nF-K	33nF	22	0.866	57	2.244	1.0	0.039
HVDCAP-4000VDC-2457-47nF-K	47nF	24	0.945	57	2.244	1.0	0.039
HVDCAP-4000VDC-2657-68nF-K	68nF	26	1.024	57	2.244	1.0	0.039
HVDCAP-4000VDC-3057-100nF-K	100nF	30	1.181	57	2.244	1.0	0.039
HVDCAP-4000VDC-3457-150nF-K	150nF	34	1.339	57	2.244	1.0	0.039
HVDCAP-4000VDC-4057-220nF-K	220nF	40	1.575	57	2.244	1.0	0.039
HVDCAP-4000VDC-4657-330nF-K	330nF	46	1.811	57	2.244	1.0	0.039

HIGH VOLTAGE DC CAPACITORS,  
METALLIZED POLYPROPYLENE SELFHEALING TYPE,  
PLASTIC STRONG CASED AND EPOXY FILLED

VOICE : +82-31-429-6379  
FAX : +82-31-429-9127  
E-MAIL : info@3RLab.com

## 6000 VDC, RATED VOLTAGE

PRODUCTS NUMBER: HVDCAP-VOLTAGE- DIAxLONG-000?F-K(%)	CAPACITANCE (+/-10%)	D		L		Lead wire Dia	
		MM	inch	MM	inch	MM	inch
HVDCAP-6000VDC-1250-1nF-K	1nF	12	0.472	50	1.969	0.8	0.031
HVDCAP-6000VDC-1450-1.5nF-K	1.5nF	14	0.551	50	1.969	0.8	0.031
HVDCAP-6000VDC-1650-2.2nF-K	2.2nF	16	0.630	50	1.969	1.0	0.039
HVDCAP-6000VDC-1850-3.3nF-K	3.3nF	18	0.709	50	1.969	1.0	0.039
HVDCAP-6000VDC-1850-4.7nF-K	4.7nF	18	0.709	50	1.969	1.0	0.039
HVDCAP-6000VDC-2050-6.8nF-K	6.8nF	20	0.787	50	1.969	1.0	0.039
HVDCAP-6000VDC-2250-10nF-K	10nF	22	0.866	50	1.969	1.0	0.039
HVDCAP-6000VDC-2450-15nF-K	15nF	24	0.945	50	1.969	1.0	0.039
HVDCAP-6000VDC-2850-22nF-K	22nF	28	1.102	50	1.969	1.0	0.039
HVDCAP-6000VDC-2272-33nF-K	33nF	22	0.866	72	2.835	1.0	0.039
HVDCAP-6000VDC-2472-47nF-K	47nF	24	0.945	72	2.835	1.0	0.039
HVDCAP-6000VDC-2872-68nF-K	68nF	28	1.102	72	2.835	1.0	0.039
HVDCAP-6000VDC-3272-100nF-K	100nF	32	1.260	72	2.835	1.0	0.039
HVDCAP-6000VDC-3872-150nF-K	150nF	38	1.496	72	2.835	1.0	0.039

HIGH VOLTAGE DC CAPACITORS,  
METALLIZED POLYPROPYLENE SELFHEALING TYPE,  
PLASTIC STRONG CASED AND EPOXY FILLED

VOICE : +82-31-429-6379  
FAX : +82-31-429-9127  
E-MAIL : info@3RLab.com

## 8000 VDC, RATED VOLTAGE

PRODUCTS NUMBER: HVDCAP-VOLTAGE- DIAxLONG-000?F-K(%)	CAPACITANCE (+/-10%)	D		L		Lead wire Dia	
		MM	inch	MM	inch	MM	inch
HVDCAP-8000VDC-1250-1nF-K	1nF	12	0.472	50	1.969	0.8	0.031
HVDCAP-8000VDC-1450-1.5nF-K	1.5nF	14	0.551	50	1.969	0.8	0.031
HVDCAP-8000VDC-1650-2.2nF-K	2.2nF	16	0.630	50	1.969	1.0	0.039
HVDCAP-8000VDC-1850-3.3nF-K	3.3nF	18	0.709	50	1.969	1.0	0.039
HVDCAP-8000VDC-1850-4.7nF-K	4.7nF	18	0.709	50	1.969	1.0	0.039
HVDCAP-8000VDC-2050-6.8nF-K	6.8nF	20	0.787	50	1.969	1.0	0.039
HVDCAP-8000VDC-2250-10nF-K	10nF	22	0.866	50	1.969	1.0	0.039
HVDCAP-8000VDC-2650-15nF-K	15nF	26	1.024	50	1.969	1.0	0.039
HVDCAP-8000VDC-3050-22nF-K	22nF	30	1.181	50	1.969	1.0	0.039
HVDCAP-8000VDC-3650-33nF-K	33nF	36	1.417	50	1.969	1.0	0.039
HVDCAP-8000VDC-3072-47nF-K	47nF	30	1.181	72	2.835	1.0	0.039
HVDCAP-8000VDC-3672-68nF-K	68nF	36	1.417	72	2.835	1.0	0.039
HVDCAP-8000VDC-4272-100nF-K	100nF	42	1.654	72	2.835	1.0	0.039

## 10000 VDC, RATED VOLTAGE

PRODUCTS NUMBER: HVDCAP-VOLTAGE- DIAxLONG-000?F-K(%)	CAPACITANCE (+/-10%)	D		L		Lead wire Dia	
		MM	inch	MM	inch	MM	inch
HVDCAP-10000VDC-1257-1nF-K	1nF	12	0.472	57	2.244	0.8	0.031
HVDCAP-10000VDC-1457-1.5nF-K	1.5nF	14	0.551	57	2.244	0.8	0.031
HVDCAP-10000VDC-1457-2.2nF-K	2.2nF	14	0.551	57	2.244	0.8	0.031
HVDCAP-10000VDC-1657-3.3nF-K	3.3nF	16	0.630	57	2.244	1.0	0.039
HVDCAP-10000VDC-1857-4.7nF-K	4.7nF	18	0.709	57	2.244	1.0	0.039
HVDCAP-10000VDC-2057-6.8nF-K	6.8nF	20	0.787	57	2.244	1.0	0.039
HVDCAP-10000VDC-2257-10nF-K	10nF	22	0.866	57	2.244	1.0	0.039
HVDCAP-10000VDC-2657-15nF-K	15nF	26	1.024	57	2.244	1.0	0.039
HVDCAP-10000VDC-3057-22nF-K	22nF	30	1.181	57	2.244	1.0	0.039
HVDCAP-10000VDC-3072-33nF-K	33nF	34	1.181	72	2.835	1.0	0.039
HVDCAP-10000VDC-3672-47nF-K	47nF	36	1.417	72	2.835	1.0	0.039

HIGH VOLTAGE DC CAPACITORS,  
METALLIZED POLYPROPYLENE SELFHEALING TYPE,  
PLASTIC STRONG CASED AND EPOXY FILLED

VOICE : +82-31-429-6379  
FAX : +82-31-429-9127  
E-MAIL : info@3RLab.com

## 16000 VDC, RATED VOLTAGE

PRODUCTS NUMBER: HVDCAP-VOLTAGE- DIAxLONG-000?F-K(%)	CAPACITANCE (+/-10%)	D		L		Lead wire Dia	
		MM	inch	MM	inch	MM	inch
HVDCAP-16000VDC-1472-1nF-K	1nF	14	0.551	72	2.835	0.8	0.031
HVDCAP-16000VDC-1672-1.5nF-K	1.5nF	16	0.630	72	2.835	1.0	0.039
HVDCAP-16000VDC-1872-2.2nF-K	2.2nF	18	0.709	72	2.835	1.0	0.039
HVDCAP-16000VDC-2072-3.3nF-K	3.3nF	20	0.787	72	2.835	1.0	0.039
HVDCAP-16000VDC-2272-4.7nF-K	4.7nF	22	0.866	72	2.835	1.0	0.039
HVDCAP-16000VDC-2472-6.8nF-K	6.8nF	24	0.945	72	2.835	1.0	0.039
HVDCAP-16000VDC-3072-8.2nF-K	8.2nF	30	1.181	72	2.835	1.0	0.039
HVDCAP-16000VDC-3072-10nF-K	10nF	30	1.181	72	2.835	1.0	0.039
HVDCAP-16000VDC-3672-15nF-K	15nF	36	1.417	72	2.835	1.0	0.039
HVDCAP-16000VDC-4272-22nF-K	22nF	42	1.654	72	2.835	1.0	0.039
HVDCAP-16000VDC-4872-33nF-K	33nF	48	1.890	72	2.835	1.0	0.039
HVDCAP-16000VDC-1250H-1nF-K	1nF	12	0.472	50	1.969	0.8	0.031
HVDCAP-16000VDC-1450H-1.5nF-K	1.5nF	14	0.551	50	1.969	0.8	0.031
HVDCAP-16000VDC-1650H-2.2nF-K	2.2nF	16	0.630	50	1.969	1.0	0.039
HVDCAP-16000VDC-1850H-3.3nF-K	3.3nF	18	0.709	50	1.969	1.0	0.039
HVDCAP-16000VDC-1850H-4.7nF-K	4.7nF	18	0.709	50	1.969	1.0	0.039
HVDCAP-16000VDC-2050H-6.8nF-K	6.8nF	20	0.787	50	1.969	1.0	0.039
HVDCAP-16000VDC-2250H-10nF-K	10nF	22	0.866	50	1.969	1.0	0.039
HVDCAP-16000VDC-2650H-15nF-K	15nF	26	1.024	50	1.969	1.0	0.039
HVDCAP-16000VDC-3050H-22nF-K	22nF	30	1.181	50	1.969	1.0	0.039
HVDCAP-16000VDC-3650H-33nF-K	33nF	36	1.417	50	1.969	1.0	0.039
HVDCAP-16000VDC-3072H-47nF-K	47nF	30	1.181	72	2.835	1.0	0.039
HVDCAP-16000VDC-3672H-68nF-K	68nF	36	1.417	72	2.835	1.0	0.039
HVDCAP-16000VDC-4272H-100nF-K	100nF	42	1.654	72	2.835	1.0	0.039