

GENERAL TECHNICAL CHARACTERISTICS 技术特性

Reference standards 参考标准 IEC 61071
 Dielectric 介质材料 Polypropylene film
 Case 外壳材料 Solvent resistant plastic case, resin filled
 Output 引出端 Lugs

ELECTRICAL CHARACTERISTICS 电气特性

Operating temperature 工作温度范围 - 40 to + 105 °C (hotspot temperature)
 Capacitance range 容量范围 Customization
 Rated voltage range 额定电压 450 to 2200 Vdc
 Capacitance tolerance 容量偏差 ± 5%
 Dissipation factor 损耗角正切 $\leq 3.0 \times 10^{-3}$ Measured at 100 Hz and 20±5°C
 Life expectancy 预期寿命 100,000 hours at U_{NDC} and 70 °C (Hot-spot temperature)

TEST METHODS AND PERFORMANCES 测试方法

Dielectric strength 介质强度 $1.5 \times U_{NDC}$ applied to 10s at 20±5 °C
 Test voltage terminal to case 端壳耐压 $1.5U_N + 1000VAC / 50Hz$ for 60s
 Insulation resistance($IR \cdot C_N$) 绝缘电阻 $\geq 30000s$ but need not exceed 30GΩ, after 1 minute of electrification at 100VDC (20±5°C)

OUTLINE DRAWING 外形图



HOW TO ORDER:

<u> K2V </u>	<u> 451D </u>	<u> 557 </u>	<u> J </u>	<u> S </u>	<u> L </u>	<u> *** </u>
Series Code:	Voltage:	Capacitance:	Cap. Tol.:	Shape:	Output:	Internal Code
K2V: AEV Series	901D: 900Vdc	107: 100μF	J: ± 5%,	S: Square	L: Lug	
	102D: 1000Vdc	108: 1000μF				

ELECTRICAL SPECIFICATION 规格型号参考

Unit: mm

Part Number	Cap (μF)	Dimension			Imax (A)	Ls max. (nH)	Ipeak (kA)	ESR@1.0KHz (mΩ)	Rth (K/W)	Weight (Kg)
		L	B	H						
U_{NDC} 450Vdc, Us 675V, Ur 150V										
K2V451D557JSL***	550	140.0	70.0	78.0	94	21	8.8	0.42	2.6	1.5
K2V451D757JSL***	750	215.0	51.0	71.5	177	26	17.1	0.28	2.3	1.5
U_{NDC} 600Vdc, Us 760V, Ur 200V										
K2V601D767JSL***	900	210.0	105.0	64.0	219	26	18	0.26	1.6	2.6
U_{NDC} 800Vdc, Us 1200V, Ur 200V										
K2V801D706JSL***	70	150.0	33.0	49.0	60	26	1.9	0.77	7.13	0.6
K2V801D427JSL***	420	210.0	81.0	72.0	127	14	6.7	0.42	2.68	2.1
K2V801D507JSL***	500	183.0	80.0	81.0	103	26	6.7	0.47	2.41	2.3
K2V801D567JSL***	560	232.0	72.0	81.0	163	15	9.0	0.35	2.11	2.5
K2V801D667JSL***	660	260.0	70.0	90.0	200	26	10.6	0.32	1.51	3.1
K2V801D807JSL***	800	230.0	90.0	110.0	229	26	18.3	0.22	1.71	4.4
K2V801D847JSL***	840	183.0	120.0	81.0	173	17	11.2	0.34	1.61	3.1
K2V801D108JSL***	1000	245.0	72.0	126.0	194	26	16	0.26	2.0	4.3

Remark: 1. *** Internal code.

2. Customization for special specification and requirement is available.