

系列：JVD

产品特点

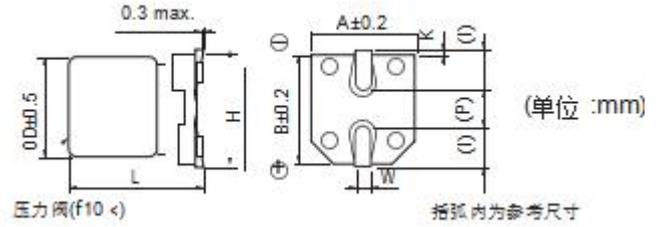
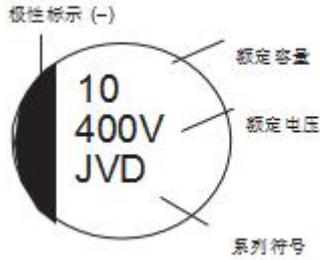
- 高温无铅回流焊产品
- 工作温度范围宽
- 中高压, 长寿命
- 适用于再流焊
- 符合 RoHS 标准

项目 Items	特性 Characteristics						
工作温度范围 Operating Temperature Range	-40°C ~ +105°C						
额定电压范围 Rated Voltage Range	160V ~ 450V						
标称电容量范围 Nominal Capacitance Range	1 ~ 100 μF						
标称电容量允许偏差 Nominal Capacitance Tolerance	±20% (20°C, 120Hz)						
漏电流 Leakage Current	CV ≤ 1000 (160~400V) I ≤ 0.1C _R U _R + 40 (μA), CV ≥ 1000 (160~400V) I ≤ 0.04C _R U _R + 100uA 取较大者 (2 分钟) C _R : 标称电容量 (μF) U _R : 额定电压 (V) Whichever is greater (at 20°C, After 2 minutes) C _R : Nominal Capacitance (μF) U _R : Rated voltages (V)						
损耗角正切 (tg δ) Dissipation Factor (Max) 20°C, 120Hz	U _R (V)	160	200	250	400	420	450
	tg δ	0.20	0.20	0.20	0.24	0.24	0.26
耐久性 Load Life	+105°C 施加额定电压条件, 电容器应满足以下要求: ΦD=6.3 为 2000 小时; ΦD=8, 10, 12.5 为 5000 小时; ΦD=16 和 18 为 8000 小时 ΦD=6.3:2000H; ΦD=8, 10, 12.5:5000H; ΦD=16 and 18:8000H; application of rated voltage at 105°C, the capacitor shall meet the following requirement:						
	电容量变化率 Capacitance Change	±30% 初始值以内 Within ±30% of the initial value					
	损耗角正切 Dissipation Factor	≤ 300% 初始规定值 Not more than 300% of the initial specified value					
	漏电流 Leakage Current	≤ 初始规定值 Not more than the initial specified value					
高温贮存 Shelf Life	+105°C 贮存 1000 小时后, 电容器应满足以上耐久性要求 After storage for 1000 hours at +105°C, the capacitors shall meet the requirement of load life above						
低温特性 Low Temperature Stability 阻抗比 Impedance Ratio (120Hz)	U _R (V)	160	200	250	400	420	450
	Z(-25°C)/Z(+20°C)	3	3	3	5	5	5
	Z(-40°C)/Z(+20°C)	6	6	6	6	6	6
耐焊接热 Resistance to Soldering Heat	在 250°C 的条件下, 电容器在热板上保持 30 秒, 然后从热板上取出电容器, 让其在室温下恢复, 电容器应满足以下要求: The capacitors shall be kept on the hot plate maintained at 250°C for 30 seconds. After removing from the hot plate and restored at room temperature, they meet the following requirement.						
	电容量变化率 Capacitance Change	±10% 初始值以内 Within ±10% of the initial value					
	损耗角正切 (tg δ) Dissipation Factor	≤ 初始规定值 Not more than the initial specified value					
	漏电流 Leakage Current	≤ 初始规定值 Not more than the initial specified value					
AEC-Q200	符合 AEC-Q200						

标示

外观尺寸

例：400V.DC 10uF JVD系列



φ D	L	A, B	H.	I	W	P	K
6.3	7.7±0.3	6.6	7.8	2.4	0.5~0.8	2.2	0.35+0.15/-0.20
6.3	10.5±0.3	6.6	7.8	2.4	0.5~0.8	2.2	
8	10.5±0.5	8.3	10	3.4	0.8~1.1	3.1	0.70±0.20
8	12.5±0.5	8.3	10	3.4	0.8~1.1	3.1	0.70±0.20
10	10.5±0.5	10.3	12	3.5	0.8~1.1	4.5	0.70±0.20
10	12.5±0.5	10.3	12	3.5	0.8~1.1	4.5	0.70±0.20
12.5	13.5±0.5	13.5	15	4.7	1.1~1.4	4.4	0.70±0.20
12.5	16.5±0.5	13.5	15	4.7	1.1~1.4	4.4	0.70±0.20
16	16.5±0.5	17	19	5.5	1.1~1.4	6.4	0.70±0.20
16	21.5±0.5	17	19	5.5	1.1~1.4	6.4	0.70±0.20
18	16.5±0.5	19	21	6.7	1.1~1.4	6.4	0.70±0.20
18	21.5±0.5	19	21	6.7	1.1~1.4	6.4	0.70±0.20

特性一览表 1

额定电压 (V. DC)	静电容量 (±20%) (uF)	产品尺寸(mm)		电气特性		料号	最小包装 数量 (PCS)
		φ D	L	额定纹波电流 (120HZ) (+105℃)	tan δ (120HZ) (+20℃)		
160	1	6.3	7.7	15	0.20	JVD2C1R0ME07700LP0	1000
	2.2	6.3	7.7	20	0.20	JVD2C2R2ME07700LP0	1000
	3.3	6.3	7.7	25	0.20	JVD2C3R3ME07700LP0	1000
	4.7	6.3	7.7	30	0.20	JVD2C4R7ME07700LP0	1000
	5.6	6.3	10.5	57	0.20	JVD2C5R6ME10500LP0	700
	6.8	6.3	10.5	60	0.20	JVD2C6R8ME10500LP0	700
	6.8	8	10.5	70	0.20	JVD2C6R8MF10500LP0	500
	10	8	10.5	90	0.20	JVD2C100MF10500LP0	500
	12	8	10.5	95	0.20	JVD2C120MF10500LP0	500
	15	8	10.5	110	0.20	JVD2C150MF10500LP0	500
	22	10	10.5	150	0.20	JVD2C220MG10500LP0	500
	33	10	12.5	195	0.20	JVD2C330MG12500LP0	400
	47	12.5	13.5	275	0.20	JVD2C470MI13500LP0	200
	56	12.5	13.5	300	0.20	JVD2C560MI13500LP0	200
	68	12.5	13.5	330	0.20	JVD2C680MI13500LP0	200
100	16	16.5	500	0.20	JVD2C101MJ16500LP0	125	

特性一览表 2

额定电压 (V. DC)	静电容量 (±20%) (uF)	产品尺寸(mm)		电气特性		料号	最小包装 数量 (PCS)
		φD	L	额定纹波电流 (120HZ) (+105℃) (mA r. m. s)	tan δ (120HZ) (+20℃)		
200	1	6.3	7.7	15	0.20	JVD2D1R0ME07700LP0	1000
	2.2	6.3	7.7	20	0.20	JVD2D2R2ME07700LP0	1000
	3.3	6.3	7.7	25	0.20	JVD2D3R3ME07700LP0	1000
	4.7	6.3	7.7	30	0.20	JVD2D4R7ME07700LP0	1000
	4.7	6.3	10.5	40	0.20	JVD2D4R7ME10500LP0	700
	5.6	6.3	10.5	45	0.20	JVD2D5R6ME10500LP0	700
	6.8	6.3	10.5	50	0.20	JVD2D6R8ME10500LP0	700
	6.8	8	10.5	65	0.20	JVD2D6R8MF10500LP0	500
	10	8	10.5	85	0.20	JVD2D100MF10500LP0	500
	12	8	10.5	90	0.20	JVD2D120MF10500LP0	500
	15	8	12.5	110	0.20	JVD2D150MF12500LP0	400
	22	10	10.5	140	0.20	JVD2D220MG10500LP0	500
	33	10	12.5	185	0.20	JVD2D330MG12500LP0	400
	47	12.5	13.5	260	0.20	JVD2D470MI13500LP0	200
	56	12.5	13.5	280	0.20	JVD2D560MI13500LP0	200
68	12.5	16.5	340	0.20	JVD2D680MI16500LP0	200	
100	16	16.5	480	0.20	JVD2D101MJ16500LP0	125	
250	1	6.3	7.7	15	0.20	JVD2E1R0ME10500LP0	1000
	2.2	6.3	7.7	20	0.20	JVD2E2R2ME10500LP0	1000
	3.3	6.3	7.7	25	0.20	JVD2E3R3ME10500LP0	1000
	4.7	6.3	10.5	50	0.20	JVD2E4R7ME10500LP0	700
	5.6	8	10.5	55	0.20	JVD2E5R6MF10500LP0	500
	6.8	8	10.5	75	0.20	JVD2E6R8MF10500LP0	500
		8	12.5	85	0.20	JVD2E6R8MF12500LP0	400
	10	8	12.5	100	0.20	JVD2E100MF12500LP0	400
	12	8	12.5	110	0.20	JVD2E120MF12500LP0	400
	15	10	12.5	150	0.20	JVD2E150MG12500LP0	400
	22	12.5	13.5	215	0.20	JVD2E220MI13500LP0	200
	33	12.5	13.5	260	0.20	JVD2E330MI13500LP0	200
	47	12.5	13.5	280	0.20	JVD2E470MI13500LP0	200
	56	16	16.5	390	0.20	JVD2E560MI16500LP0	125
	68	16	16.5	475	0.20	JVD2E680MI16500LP0	125
100	18	16.5	620	0.20	JVD2E101MK16500LP0	125	
400	1	6.3	7.7	12	0.24	JVD2G1R0ME07700LP0	1000
	1	6.3	10.5	25	0.24	JVD2G1R0ME10500LP0	700
	2.2	6.3	10.5	35	0.24	JVD2G2R2ME10500LP0	700
		8	10.5	45	0.24	JVD2G2R2MF10500LP0	500
	3.3	8	10.5	50	0.24	JVD2G3R3MF10500LP0	500
	4.7	8	10.5	60	0.24	JVD2G4R7MF10500LP0	500
		8	12.5	65	0.24	JVD2G4R7MF12500LP0	400
	5.6	10	10.5	75	0.24	JVD2G5R6MG10500LP0	500
	6.8	8	12.5	75	0.24	JVD2G6R8MF12500LP0	400
		10	10.5	82	0.24	JVD2G6R8MG10500LP0	500
	10	10	12.5	110	0.24	JVD2G100MG12500LP0	400
	12	10	12.5	120	0.24	JVD2G120MG12500LP0	400
	15	12.5	13.5	150	0.24	JVD2G150MI13500LP0	200
	22	12.5	16.5	200	0.24	JVD2G220MI16500LP0	200
	33	16	16.5	290	0.24	JVD2G330MJ16500LP0	125
47	16	16.5	345	0.24	JVD2G470MK16500LP0	125	

特性一览表 3

额定电压 (V. DC)	静电容量 (±20%) (uF)	产品尺寸(mm)		电气特性		料号	最小包装 数量 (PCS)
		φD	L	额定纹波电流 (120HZ) (+105℃)	tan δ (120HZ) (+20℃)		
400	56	18	16.5	355	0.24	JVD2G560MK16500LP0	125
420	1	6.3	10.5	20	0.24	JVDW61ROME10500LP0	700
	2.2	6.3	10.5	30	0.24	JVDW62R2ME10500LP0	700
	3.3	8	10.5	41	0.24	JVDW63R3MF10500LP0	500
	4.7	8	12.5	53	0.24	JVDW64R7MF12500LP0	400
	5.6	8	12.5	58	0.24	JVDW65R6MF12500LP0	400
	6.8	10	10.5	67	0.24	JVDW66R8MG10500LP0	500
	10	10	12.5	90	0.24	JVDW6100MG12500LP0	400
	12	12.5	13.5	115	0.24	JVDW6120MI13500LP0	200
	15	12.5	13.5	130	0.24	JVDW6150MI13500LP0	200
450	1	6.3	10.5	20	0.26	JVD2W1ROME10500LP0	700
	2.2	8	10.5	30	0.26	JVD2W2R2ME10500LP0	700
	3.3	8	10.5	41	0.26	JVD2W3R3MF10500LP0	500
	4.7	10	10.5	56	0.26	JVD2W4R7MG10500LP0	500
	5.6	10	10.5	67	0.26	JVD2W5R6MG10500LP0	500
	6.8	10	10.5	67	0.26	JVD2W6R8MG10500LP0	500
	10	12.5	13.5	105	0.26	JVD2W100MI13500LP0	200
	12	12.5	13.5	115	0.26	JVD2W120MI13500LP0	200
	15	12.5	13.5	125	0.26	JVD2W150MI13500LP0	200

■ Frequency coefficient of ripple current

Frequency	50Hz	120Hz	300HZ	1KHz	≥ 10KHz
Coefficient	0.80	1.00	1.25	1.40	1.60