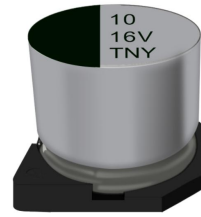


VT1 系列 VT1 Series

特长 / 用途 Features

- 工作温度范围宽(-55℃ ~ +105℃), 2000 小时。
Wide temperature range (-55℃ ~ + 105℃), 2,000 hours.
- 适用于回流焊。
Suitable for reflow soldering.
- 适用于高密度组装。
Suitable for high density assembly.
- 性能稳定、可靠性高, 符合 AEC-Q200。
High stability and reliability, AEC-Q200 compliance

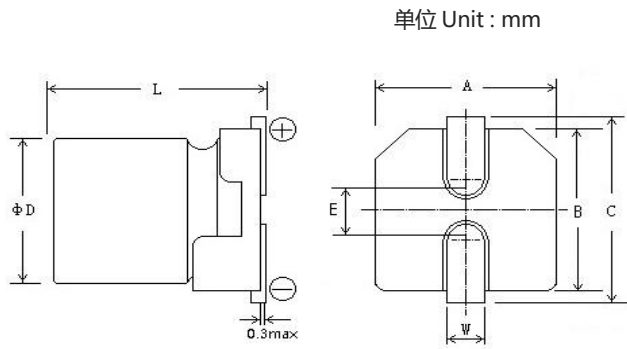


规格表 Specifications

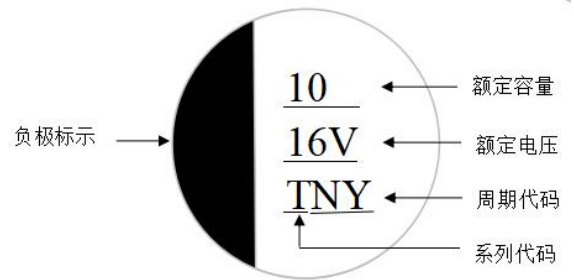
项 目 Items	性能 Performance							
工作温度范围 Operating Temperature Range	-55 ~ +105℃							
额定电压范围 Rated Voltage Range	6.3 ~ 63V DC							
额定静电容量容许误差值 Capacitance Tolerance	± 20% (120Hz, 20℃)							
漏电流(20℃)* Leakage Current (at 20℃)*	I ≤ 0.01CV(μA)或3μA取较大者, (2分钟) I≤0.01CV(μA) or 3μA Whichever is greater (after 2 minutes)							
损失角正切值(120 Hz, 20℃) Tanδ (at120 Hz, 20℃)	额定电压 Rated Voltage	6.3	10	16	25	35	50	63
	损失角正切值(最大值) Tanδ (max)	0.40	0.35	0.28	0.24	0.22	0.18	0.14
	对于超过1000μF的产品, 每增加1000μF, 其值便随之增加0.02。 0.02 is added to every 1000μF increase over 1000μF							
温度特性 (120Hz) Temperature Characteristic (120Hz)	额定电压 Rated Voltage	6.3	10	16	25	35	50	63
	Z - 25℃/ Z +20℃	4	3	2	2	2	2	2
	Z - 40℃/ Z +20℃	8	6	4	4	3	3	3
	Z - 55℃/ Z +20℃	12	8	6	4	3	3	3
耐久性 Endurance	+105℃施加额定电压2000小时,恢复16小时后,电容器应满足要求 After applying rated voltage for 2,000 hours at +105℃ and then resumed 16 hours. The capacitor shall meet the following requirements.							
	电容量变化率 Capacitance Change	≤ ± 20%初始测量值 (≤ φ5 & ≤ 16V: ± 30%) ≤ ± 20% of initial measured value (≤ φ 5 & ≤ 16V: ± 30%)						
	漏电流值 Leakage Current	≤ 规定值 ≤ the specified value						
	损耗角正切值 Tanδ	≤ 2倍规定值 ≤ 200% of the specified value						
高温贮存 (125℃) Shelf Life (125℃)	试验时间: 1000小时, 其他项目与耐久性相同。电压应用处理: 根据JIS C5101-4.1 Test time : 1,000hours ; other items are same as the endurance. Voltage application treatment : According to JIS C5101- 4.1							
额定纹波电流频率系数 Coefficient of Frequency for Rated Ripple Current	频率 Frequency		120Hz	1KHz	10KHz	100KHz		
	容量 Capacitance							
	≤ 10μF		1.00	1.30	1.40	1.50		
	≥ 22μF		1.00	1.05	1.08	1.08		

VT1 系列 VT1 Series

尺寸图 Diagram of Dimensions



标示 Marking



产品各项尺寸 Product Dimensions

尺寸 Size	φ4×5.4	φ5×5.4	φ6.3×5.4
A±0.2	4.3	5.3	6.6
B±0.2	4.3	5.3	6.6
D±0.5	4.0	5.0	6.3
E±0.2	1.0	1.3	2.2
L±0.3	5.4	5.4	5.4
C±0.2	5.0	6.0	7.2
W	0.5 ~ 0.9		

标准品一览表 Standard Ratings

额定电压 Rated Voltage (V)	容量 Capacitance (μF)	尺寸 Size ΦD×L(mm)	纹波电流 Ripple Current (mA _{rms} /105°C, 120Hz)	编号 Part Number
6.3	22	4×5.4	26	VT10J220M0405**
	33	4×5.4	35	VT10J330M0405**
		5×5.4	40	VT10J330M0505**
	47	4×5.4	40	VT10J470M0405**
		5×5.4	46	VT10J470M0505**
	100	5×5.4	62	VT10J101M0505**
		6.3×5.4	71	VT10J101M0605**
10	22	4×5.4	116	VT10J221M0605**
		6.3×5.4		
	22	4×5.4	31	VT11A220M0405**
		5×5.4	35	VT11A220M0505**
	33	4×5.4	38	VT11A330M0405**
		5×5.4	43	VT11A330M0505**
	47	5×5.4	64	VT11A470M0505**
	47	6.3×5.4	74	VT11A470M0605**
	100	5×5.4	82	VT11A101M0505**
		6.3×5.4	95	VT11A101M0605**

额定电压 Rated Voltage (V)	容量 Capacitance (μF)	尺寸 Size ΦD×L(mm)	纹波电流 Ripple Current (mArms/105°C, 120Hz)	编号 Part Number
10	220	6.3×5.4	121	VT11A221M0605**
16	4.7	4×5.4	20	VT11C4R7M0405**
	10	4×5.4	25	VT11C100M0405**
	22	4×5.4	34	VT11C220M0405**
		5×5.4	39	VT11C220M0505**
	33	5×5.4	48	VT11C330M0505**
		6.3×5.4	55	VT11C330M0605**
	47	5×5.4	60	VT11C470M0505**
		6.3×5.4	70	VT11C470M0605**
	100	6.3×5.4	105	VT11C101M0605**
25	4.7	4×5.4	22	VT11E4R7M0405**
	6.8	4×5.4	25	VT11E6R8M0405**
	10	4×5.4	34	VT11E100M0405**
		5×5.4	40	VT11E100M0505**
	22	5×5.4	46	VT11E220M0505**
		6.3×5.4	53	VT11E220M0605**
	33	5×5.4	57	VT11E330M0505**
		6.3×5.4	65	VT11E330M0605**
	47	6.3×5.4	80	VT11E470M0605**
35	4.7	4×5.4	22	VT11V4R7M0405**
	10	4×5.4	24	VT11V100M0405**
		5×5.4	28	VT11V100M0505**
	22	5×5.4	48	VT11V220M0505**
		6.3×5.4	55	VT11V220M0605**
	33	6.3×5.4	72	VT11V330M0605**
50	47	6.3×5.4	86	VT11V470M0605**
	1	4×5.4	10	VT11H010M0405**
	2.2	4×5.4	16	VT11H2R2M0405**
	3.3	4×5.4	16	VT11H3R3M0405**
	4.7	5×5.4	23	VT11H4R7M0505**
	6.8	5×5.4	23	VT11H6R8M0505**
	10	5×5.4	30	VT11H100M0505**
		6.3×5.4	35	VT11H100M0605**
63	22	6.3×5.4	59	VT11H220M0605**
	2.2	4×5.4	12	VT11J2R2M0405**
	3.3	5×5.4	15	VT11J3R3M0505**
	4.7	5×5.4	16	VT11J4R7M0505**
	10	6.3×5.4	30	VT11J100M0605**
63	22	6.3×5.4	35	VT11J220M0605**