TZV 系列 SERIES

对应无铅焊接 105℃低阻抗品
105℃ Low Impedance, Lead Free Reflow Soldering

◆特　长／FEATURES

- 105℃、2000小时品。
  Load Life : 105℃ 2000 hours.
- 可以进行无铅回流焊接。
  Lead free reflow soldering is available.
- 适用于高密度贴片安装。
  Available for high density mounting.
- 高频阻抗规格设定。
  Prescribe Impedance value at 100 kHz.
- RoHS指令对应品。
  RoHS compliance.

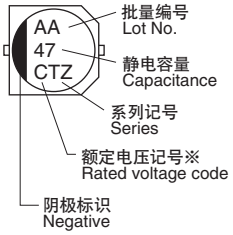
◆规格表／SPECIFICATIONS

项　目　Items	特　性　Characteristics
工作温度范围 Category Temperature Range	−55～＋105℃
额定电压范围 Rated Voltage Range	6.3～50Vdc
静电容量允许差 Capacitance Tolerance	±20% (20℃，120Hz)
漏电流 Leakage Current(MAX)	小于I＝0.01CV和3μA中的较大值　(施加额定电压2分钟后) I＝0.01CV or 3μA whichever is greater.　(After 2 minutes application of rated voltage) I＝漏损电流 (μA) Leakage Current　C＝静电容量 (μF) Capacitance　V＝额定电压 (Vdc) Rated Voltage
损失角正切值(tanδ) Dissipation Factor(MAX)	额定电压 (Vdc) Rated Voltage: 6.3 / 10 / 16 / 25 / 35 / 50 tanδ: 0.26 / 0.19 / 0.16 / 0.14 / 0.12 / 0.10　(20℃，120Hz)
耐久性 Endurance	在105℃环境中，不超过额定电压的范围内叠加额定纹波电流，连续加载2000小时后，满足以下各项要求。 After applying rated voltage with rated ripple current for 2000 hours at 105℃, the capacitors shall meet the following requirements. 静电容量变化率 Capacitance Change：初期值的±30%以内 Within ±30% of the initial value. 损失角正切值 Dissipation Factor：规格值的200%以下 Not more than 200% of the specified value. 漏电流 Leakage Current：规格值以下 Not more than the specified value.
低温特性 Low Temperature Stability (阻抗比) Impedance Ratio(MAX)	额定电压 (Vdc) Rated Voltage: 6.3 / 10 / 16 / 25 / 35 / 50 Z(−25℃)/Z(20℃): 2 / 2 / 2 / 2 / 2 / 2 Z(−40℃)/Z(20℃): 3 / 3 / 3 / 3 / 3 / 3 Z(−55℃)/Z(20℃): 4 / 4 / 4 / 3 / 3 / 3　(120Hz)

◆纹波电流补正系数／MULTIPLIER FOR RIPPLE CURRENT

频率 (Hz) Frequency		120	1k	10k	100k≤
系数 Coefficient	4.7μF	0.30	0.60	0.80	1.00
	10～47μF	0.32	0.75	0.90	1.00
	100μF	0.50	0.80	0.95	1.00
	220～1000μF	0.60	0.85	0.95	1.00

◆标　识／MARKING



※电压记号　Voltage Code

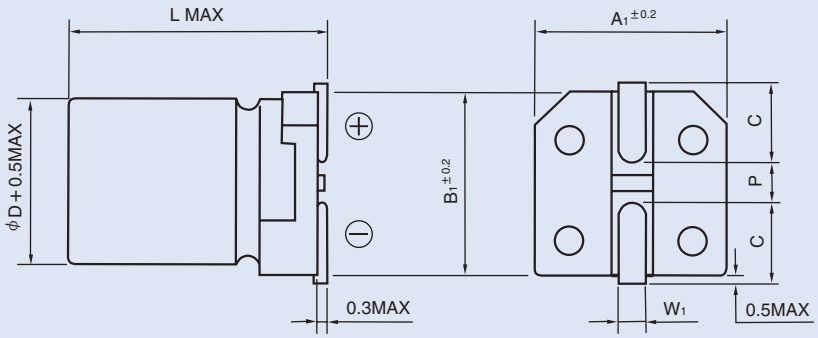
额定电压(Vdc) Rated Voltage	6.3	10	16	25	35	50
额定电压记号 Rated Voltage code	j	A	C	E	V	H

◆产品型号体系／PART NUMBER

□□□	TZV	□□□□□	M	□□□	D×L
额定电压 Rated Voltage	系列名称 Series	静电容量 Capacitance	静电容量允许差 Capacitance Tolerance	副记号 Option	铝壳尺寸 Case Size

◆尺寸图 / DIMENSIONS

(mm)



φD	L	A1	B1	C	W1	P
4	6.1	4.3	4.3	1.8	0.5～0.8	1.0
5	6.1	5.3	5.3	2.2	0.5～0.8	1.3
6.3	6.1	6.6	6.6	2.7	0.5～0.8	1.8
6.3	8	6.6	6.6	2.7	0.5～0.8	1.8
8	10.5	8.3	8.3	2.9	0.8～1.1	3.1
10	10.5	10.3	10.3	3.2	0.8～1.1	4.5

◆标准品一览表 / STANDARD SIZE

Size φ D×L(mm), Rated Ripple Current (mA r.m.s./105℃, 100kHz), Impedance(Ω MAX/20℃, 100kHz)

Vdc	Cap (μF)	Size (φDXL)	Ripple	Impedance
6.3	22	4×6.1	90	1.35
	47	4×6.1	90	1.35
		5×6.1	170	0.70
	100	5×6.1	170	0.70
		6.3×6.1	250	0.36
	220	6.3×6.1	250	0.36
		6.3×8	300	0.34
	330	6.3×8	300	0.34
	1000	8×10.5	600	0.16
10	33	4×6.1	90	1.35
	220	6.3×8	300	0.34
	470	8×10.5	600	0.16
	680	8×10.5	600	0.16
	1000	10×10.5	850	0.08
16	10	4×6.1	90	1.35
	22	4×6.1	90	1.35
		5×6.1	170	0.70
	33	5×6.1	170	0.70
	47	5×6.1	170	0.70
		6.3×6.1	250	0.36
	100	6.3×6.1	250	0.36
		6.3×8	300	0.34
	220	6.3×8	300	0.34
	330	8×10.5	600	0.16
	470	8×10.5	600	0.16
	680	10×10.5	850	0.08

Vdc	Cap (μF)	Size (φDXL)	Ripple	Impedance
25	33	5×6.1	170	0.70
		6.3×6.1	250	0.36
	47	6.3×6.1	250	0.36
	100	6.3×8	300	0.34
	220	8×10.5	600	0.16
	330	8×10.5	600	0.16
	470	10×10.5	850	0.09
35	4.7	4×6.1	90	1.45
	10	4×6.1	90	1.45
		5×6.1	170	0.70
	22	5×6.1	170	0.70
		6.3×6.1	250	0.36
	33	6.3×6.1	250	0.36
	47	6.3×6.1	250	0.36
		6.3×8	300	0.34
	100	6.3×8	300	0.34
		8×10.5	600	0.16
	220	8×10.5	600	0.16
	330	10×10.5	850	0.09
50	4.7	4×6.1	60	2.90
	10	5×6.1	85	1.52
		6.3×6.1	165	0.88
	22	6.3×6.1	165	0.88
	33	6.3×8	195	0.68
	47	6.3×8	195	0.68
	100	8×10.5	350	0.34
	220	10×10.5	670	0.18

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