Surface Mount Type

Discontinued

Series: TA Type : V

Country of Origin
Japan



■ Features

Endurance:125°C 1000 h
For use near car engines.
Good for electronically controlled units (ECU, ABS etc).
Vibration-proof product is available upon request.(φ8≦)
RoHS directive not compliant.
TG series is recommended for RoHS compliant.

■ Specifications

Category temp. range	-40 to +125°C
Rated W.V. Range	10 to 50 V .DC
Nominal Cap. Range	10 to 330 µ F
Capacitance Tolerance	±20 % (120Hz/+20°C)
DC Leakage Current	I ≦ 0.01 CV or 3(µ A) after 2 minutes (Whichever is greater)
tan δ	Please see the attached standard products list

Characteristics at Low Temperature

W.V. (V)	10	16	25	35	50
-25 / +20 °C	8	5	4	3	3
-40 / +20 °C	14	12	10	8	8

(Impedance ratio at 120Hz)

Endurance

After applying rated working voltage for 1000 hours at +125±2°C and then being stabilized at +20°C, capacitors shall meet the following limits.

Capacitance change	±30 % of initial measured value
tan δ	≦300 % of initial specified value
DC leakage current	≦initial specified value

Shelf Life

After storage for 500 hours at +125±2°C with no voltage applied and then being stabilized at +20°C, capacitors shall meet the following limits. (With voltage treatment)

Capacitance change	±20% of initial measured value
tan δ	≦200 % of initial specified value
DC leakage current	≦initial specified value

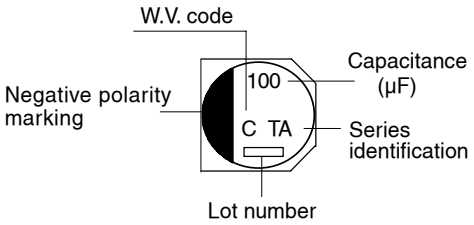
Resistance to Soldering Heat

After reflow soldering and then being stabilized at +20°C, capacitor shall meet the following limits.

Capacitance change	±10 % of initial measured value
tan δ	≦ initial specified value
DC leakage current	≦ initial specified value

■ Marking

Example: 16V 100 µF (Polarized)

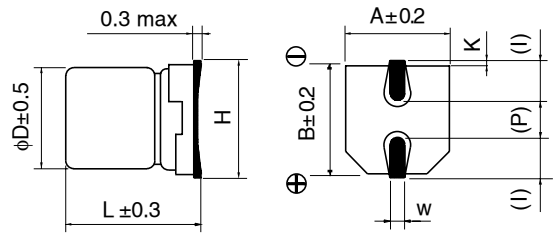


W.V. code

V	10	16	25	35	50
Code	A	C	E	V	H

■ Dimensions in mm (not to scale)

( ) reference size



(mm)

Size code	D	L	A,B	H	I	W	P	K
E	8.0	6.2	8.3	9.5 MAX	3.4	0.65±0.1	2.2	0.35 -0.20 to +0.15
F	8.0	10.2	8.3	10.0 MAX	3.4	0.90±0.2	3.1	0.70 ±0.2
G	10.0	10.2	10.3	12.0 MAX	3.5	0.90±0.2	4.6	0.70 ±0.2

■ Case size

W.V.(V) / Cap.(µF)	10 (1A)	16 (1C)	25 (1E)	35 (1V)	50 (1H)
10					E
22					E
33				E	F
47			E	F	G
100	E	F	F	G	
220	F	G			
330	G				

Design, and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and / or use. Should a safety concern arise regarding this product,please be sure to contact us immediately.
Apr. 2005

■ Standard Products

Discontinued

W.V. (V)	Cap. (±20%) (μF)	Case size Dia. (mm)	Length (mm)	Size Code	Specification Ripple current (100kHz) (+125°C) (mA)	tan δ (120Hz) (+20°C)	Part No. (RoHS: not compliant)	Reflow	Min. Packaging Q'ty Taping (pcs)
10	100	8	6.2	E	62	0.32	EEVTA1A101P	(2)	1000
	220	8	10.2	F	93	0.32	EEVTA1A221P	(2)	500
	330	10	10.2	G	118	0.32	EEVTA1A331P	(2)	500
16	100	8	10.2	F	89	0.24	EEVTA1C101P	(2)	500
	220	10	10.2	G	113	0.24	EEVTA1C221P	(2)	500
25	47	8	6.2	E	56	0.21	EEVTA1E470P	(2)	1000
	100	8	10.2	F	84	0.21	EEVTA1E101P	(2)	500
35	33	8	6.2	E	53	0.18	EEVTA1V330P	(2)	1000
	47	8	10.2	F	79	0.18	EEVTA1V470P	(2)	500
	100	10	10.2	G	101	0.18	EEVTA1V101P	(2)	500
50	10	8	6.2	E	25	0.18	EEVTA1H100P	(2)	1000
	22	8	6.2	E	50	0.18	EEVTA1H220P	(2)	1000
	33	8	10.2	F	74	0.18	EEVTA1H330P	(2)	500
	47	10	10.2	G	94	0.18	EEVTA1H470P	(2)	500

The taping dimensions are explained on p.187 of our Catalog.
Please use it as a reference guide.
Endurance : 125°C 1000h
Reflow profile(Fig-1 to Fig-5) listed on the last page.

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