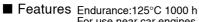
# Surface Mount Type

Type: V Series: TA

## Discontinued

Country of Origin

Japan



For use near car engines.

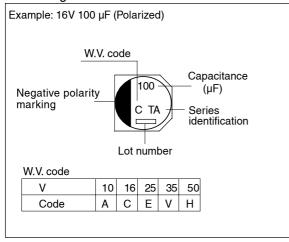
Good for electronically controlled units (ECU, ABS etc). Vibration-proof product is available upon request.(\( \phi \ 8 \leq \) RoHS directive not compliant.

TG series is recommended for RoHS compliant.

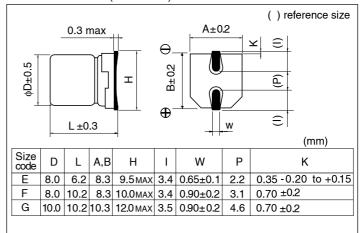


Catagory tomp, range						0 to	12500			
Category temp. range	-40 to +125°C									
Rated W.V. Range	10 to 50 V .DC									
Nominal Cap. Range	10 to 330 μ F									
Capacitance Tolerance	±20 % (120Hz/+20°C)									
DC Leakage Current	I ≤ 0.01 CV or 3(μ A) after 2 minutes (Whichever is greater)									
tan δ	Please see the attached standard products list									
Characteristics at Low Temperature	W.V. (V)	10	16	25	35	50	(Impedance ratio at 120Hz)			
	-25 / +20 °C	8	5	4	3	3				
	-40 / +20 °C	14	12	10	8	8				
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% (						
	tan δ			≦200 % of initial specified value						
	DC leakage cu	t	≦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 init	ial mea				
	tan δ			≦ initial specified value						
	DC leakage current ≤ initial specified value									

#### ■ Marking



### ■ Dimensions in mm (not to scale)



#### ■ 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	Е	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

#### Discontinued ■ Standard Products

WW 6			Case size	9	Specif	fication	Part No.		Min.
W.V.	Cap. (±20%)	Dia.	Length	Size Code	Ripple	tan δ (120Hz)	(RoHS:		Packaging Q'ty
(V)	(µF)	(mm)	(mm)	Code	(100kHz) (+125°C) (mA)	(+20°C)	, , , , , , , , , , , , , , , , , , , ,	Reflow	Taping (pcs)
	100	8	6.2	Е	62	0.32	EEVTA1A101P	(2)	1000
10	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
10	220	10	10.2	G	113	0.24	EEVTA1C221P	(2)	500
25	47	8	6.2	Е	56	0.21	EEVTA1E470P	(2)	1000
25	100	8	10.2	F	84	0.21	EEVTA1E101P	(2)	500
	33	8	6.2	Е	53	0.18	EEVTA1V330P	(2)	1000
35	47	8	10.2	F	79	0.18	EEVTA1V470P	(2)	500
	100	10	10.2	G	101	0.18	EEVTA1V101P	(2)	500
	10	8	6.2	Е	25	0.18	EEVTA1H100P	(2)	1000
50	22	8	6.2	Е	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.