# Surface Mount Type

Series: TA Type: V

Country of Origin

Japan

AVA





■ Features Endurance:125°C 1000 h

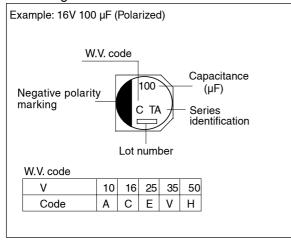
For use near car engines.

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

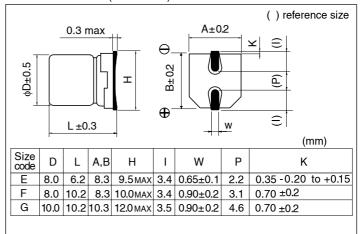
■ Specifications

— -									
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	(Impedance ratio at 120Hz)		
	-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						alue		
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	±20% (	of initia	al meas	sured value				
	tan δ			≦200 °	6 of in	itial spe	ecified value		
	DC leakage	≦initial	speci	fied val	lue				
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	asured value		
	tan δ			≦ initia	l spec	fied va	alue		
	DC leakage current ≤ initial specified value					alue			

### ■ 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								

## ■ Standard Products

WW 0			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)
10	100	8	6.2	Е	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
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
35	33	8	6.2	Е	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	Е	25	0.18	EEVTA1H100P	(2)	1000
	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.

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TYEH1V337H10MTR EDT107M035S9MAA BMVK100ADA330MF60G BMVK160ADA4R7MD60G NACK222M10V12.5X14TR13F

NRLF332M25V22X20F NRSZ102M16V10X22TBF EEV-HA1H330UP UCZ1V681MNQ1MS EEE-FT1C122UP EEE-FT1E102UP EEE-FT1E561UP EEE-FT1E821GP EEE-FT1V391UP EMZF350ADA220MF73G EDH226M450A9TAA EDH106M016A9BAA