Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

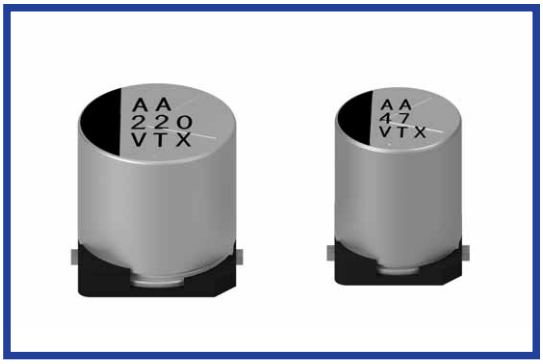
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

TXV SERIES

Load Life : 125℃ 1000～2000 hours Low ESR

・AEC-Q200.

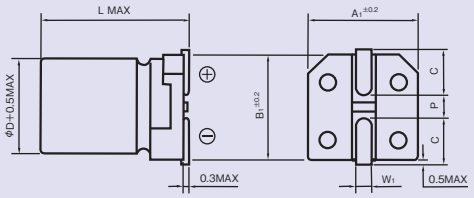
RoHS compliance



◆SPECIFICATIONS

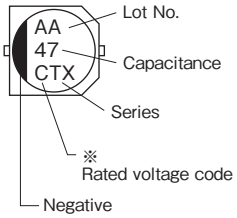
Items	Characteristics
Category Temperature Range	−40～+125℃
Rated Voltage Range	10～35Vdc
Capacitance Tolerance	±20%(20℃,120Hz)
Leakage Current(MAX)	I=0.01CV or 3μA whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc)
Dissipation Factor(MAX) (tanδ)	Rated Voltage (Vdc): 10 / 16 / 25 / 35 tanδ: 0.3 / 0.2 / 0.18 / 0.16 (20℃,120Hz)
Endurance	After applying rated voltage with rated ripple current for specified time at 125℃, the capacitors shall meet the following requirements. Capacitance Change: Within ±30% of the initial value. Dissipation Factor: Not more than 300% of the specified value. Leakage Current: Not more than the specified value. Case Size / LifeTime (hrs): φD=6.3 / 1000; φD≧8 / 2000
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (Vdc): 10 / 16 / 25 / 35 Z(−40℃)/Z(20℃): 6 / 4 / 4 / 3 (120Hz)

◆DIMENSIONS (mm)



φD	L	A1	B1	C	W1	P
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

◆MARKING



※Voltage Code

Rated Voltage (Vdc)	10	16	25	35
Rated Voltage code	A	C	E	V

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)		120	1k	10k	100k≦
Coefficient	22～33μF	0.45	0.75	0.90	1.00
	47～100μF	0.50	0.80	0.95	1.00
	220～470μF	0.60	0.85	0.95	1.00

◆STANDARD SIZE

Size φD×L(mm), Rated Ripple Current (mA r.m.s./125℃, 100kHz), ESR(Ω MAX/100kHz)

Vdc	Cap (μF)	Size (φDxL)	Ripple	ESR 20℃	ESR -40℃
10	100	6.3×8	140	0.3	5
	220	6.3×8	110	0.7	11
	470	10×10.5	300	0.2	3
16	47	6.3×6.1	70	1	15
		6.3×8	140	0.3	5

Vdc	Cap (μF)	Size (φDxL)	Ripple	ESR 20℃	ESR -40℃
25	33	6.3×6.1	70	1	15
	47	6.3×8	140	0.3	5
	100	6.3×8	110	0.7	11
		8×10.5	300	0.16	2.5
	220	8×10.5	220	0.3	4.5
		10×10.5	420	0.1	1.5
	330	10×10.5	300	0.2	3

Vdc	Cap (μF)	Size (φDxL)	Ripple	ESR 20℃	ESR -40℃
35	22	6.3×6.1	70	1	15
	33	6.3×8	140	0.3	5
	47	6.3×8	110	0.7	11
		8×10.5	300	0.16	2.5
	100	8×10.5	220	0.3	4.5
		10×10.5	420	0.1	1.5
	220	10×10.5	300	0.2	3

◆PART NUMBER

□□□ Rated Voltage | TXV Series | □□□□□ Capacitance | M Capacitance Tolerance | □□□ Option | D×L Case Size