

Series: ACHV

FEATURES

Case size: $\phi 10 \times 13.5$ to $\phi 18 \times 21.5$

Life time: 5000 hours at 105°C



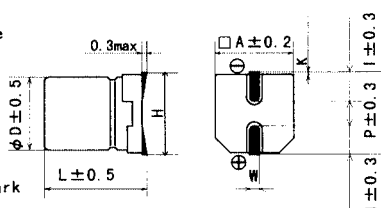
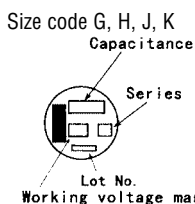
SPECIFICATIONS

Category temp.range	-20 to +105°C							
Rated W.V. Range	160 to 450 V. DC							
Nominal Cap. Range	2.2 to 100 μ F							
Capacitance Tolerance	$\pm 20\%$ (120 Hz/+20°C)							
DC Leakage Current	$1 \leq 0.06 CV + 10$ (μ A) after 2 minutes application of rated working voltage at +20°C							
Dissipation Factor (tan δ)	W.V.	160	200	250	350	400	450	(120 Hz/+20°C)
	D.F.	0.15	0.15	0.15	0.20	0.24	0.24	
Endurance	After applying DC voltage + specified ripple current (the sum of DC and ripple peak voltage should not exceed rated working voltage) for *5000 hours at +105 \pm 2°C and then being stabilized at +20°C, capacitors shall meet the following limits:							
	Capacitance Change	$\pm 20\%$ of initial measured value						* 3000 hours for G1 size 4000 hours for G2 size
	D.F.	$\leq 200\%$ of initial specified value						
DC Leakage Current	\leq initial specified value							
Shelf Life	After storage for 1000 hours at +105 \pm 2°C with no voltage applied and then being stabilized at +20°C, capacitors shall meet the following limits specified in "Endurance" (with voltage treatment).							
Resistance to Soldering Heat	After reflow soldering (refer to Application guidelines) and then being stabilized at +20°C, capacitor shall meet the following limits.							
	Capacitance Change	$\pm 10\%$ of initial measured value						
	D.F.	\leq Initial specified value						
DC Leakage Current	\leq initial specified value							

MARKING

DIMENSIONS in mm (not to scale)

STANDARD PRODUCTS



W.V.	160	200	250	350	400	450	
Cap (μ F)	(2C)	(2D)	(2E)	(2V)	(2G)	(2W)	
2.2							G1
3.3					G1	G2	G2
4.7					G2	H	H
10	G1		G2	I	I	J	I
22		H	I	J	I2	K	I
33	H	I	J	I2	K		I2
47	I	J	I2	K			I2
68	I2	I2	K				J
100	K	K					K

Case Size Code:

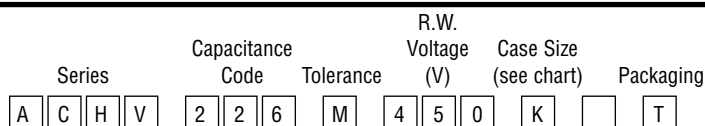
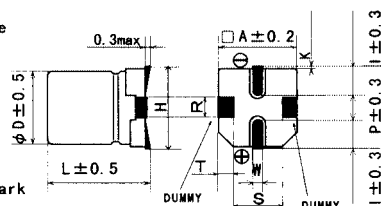
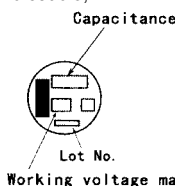
G1 = $\phi 10 \times 13.5L$
 G2 = $\phi 10 \times 17.5L$
 H = $\phi 12.5 \times 16.5L$
 I = $\phi 16 \times 16.5L$
 I2 = $\phi 16 \times 21.5L$
 J = $\phi 18 \times 16.5L$
 K = $\phi 18 \times 21.5L$

Case size ϕD	A	H	I	P	W	K	R	S	T
$\phi 10$	10.3	12.0 MAX	3.5	4.6	0.9 \pm 0.2	0.7 \pm 0.2	-	-	-
$\phi 12.5$	13.5	15.0 MAX	4.7	4.4	0.9 \pm 0.3	0.7 \pm 0.3	-	-	-
$\phi 16$	17.0	19.0 MAX	5.5	6.7	1.2 \pm 0.3	0.7 \pm 0.3	(6.2)	(12.0)	(2.5)
$\phi 18$	19.0	21.0 MAX	6.5	6.7	1.2 \pm 0.3	0.7 \pm 0.3	(6.2)	(14.0)	(3.5)

("-") - 4 terminals

PART NUMBERING SYSTEM

Size code J, K



The first 2 figures are actual values and hird denotes the number of zeros.

Add "V" for Anti-Vibration

STANDARD PRODUCTS

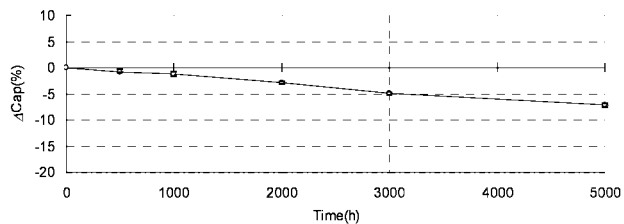
W.V. (V.DC)	Cap. (μ F)	Part No.	L.C. (μ A) max	tan δ	R.C. (mA rms)	Size (mm)	
						D	L
160	10	ACHV106M160G1T	106	0.15	70	10	13.5
	33	ACHV336M160HT	327	0.15	470	12.5	16.5
	47	ACHV476M160IT	461	0.15	600	16	16.5
	68	ACHV686M160I2T	663	0.15	750	16	21.5
	68	ACHV686M160JT	663	0.15	750	18	16.5
	100	ACHV107M160KT	970	0.15	1060	18	21.5
200	22	ACHV226M200HT	274	0.15	470	12.5	16.5
	33	ACHV336M200IT	406	0.15	600	16	16.5
	47	ACHV476M200JT	574	0.15	600	18	16.5
	68	ACHV686M200I2T	826	0.15	750	16	21.5
	100	ACHV107M200KT	1210	0.15	1060	18	21.5
250	10	ACHV106M250G1T	160	0.15	88	10	17.5
	22	ACHV226M250IT	340	0.15	560	16	16.5
	33	ACHV336M250JT	505	0.15	560	18	16.5
	47	ACHV476M250I2T	715	0.15	710	16	21.5
	68	ACHV686M250KT	1030	0.15	990	18	21.5
350	10	ACHV106M350IT	220	0.20	270	16	16.5
	22	ACHV226M350JT	472	0.20	350	18	16.5
	33	ACHV336M350I2T	703	0.20	480	16	21.5
	47	ACHV476M350KT	997	0.20	670	18	21.5
400	3.3	ACHV335M400G1T	89	0.24	40	10	13.5
	4.7	ACHV475M400G2T	123	0.24	50	10	17.5
	10	ACHV106M400IT	250	0.24	250	16	16.5
	22	ACHV226M400I2T	538	0.24	410	16	21.5
	33	ACHV336M400KT	802	0.24	600	18	21.5
450	2.2	ACHV225M450G1T	69	0.24	29	10	13.5
	3.3	ACHV335M450G2T	99	0.24	41	10	17.5
	4.7	ACHV475M450HT	137	0.24	49	12.5	16.5
	10	ACHV106M450JT	280	0.24	310	18	16.5
	22	ACHV226M450KT	604	0.24	560	18	21.5

tan δ = at 120 Hz/+20°C, Ripple current = at 100 kHz/+105°C

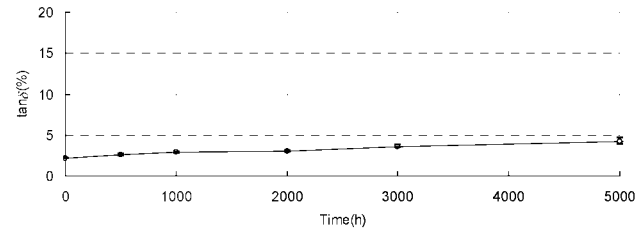
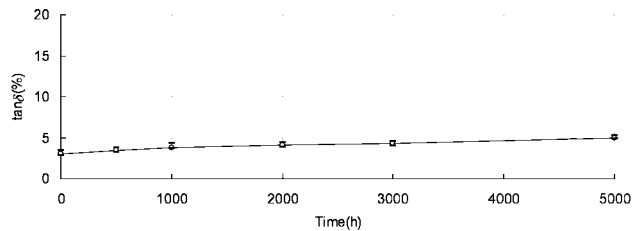
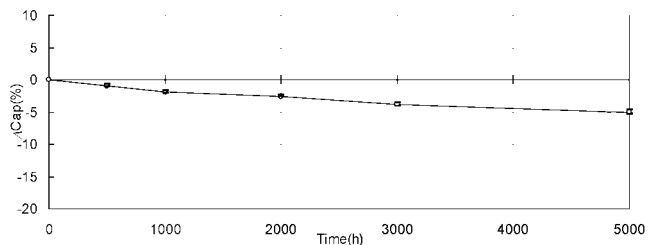
4 terminal type is available upon request for 16-18 mm diameter caps (suffix "V")

LOAD LIFE DATA

ACHV106M400IT (400V10 μ F, ϕ 16x16.5L)

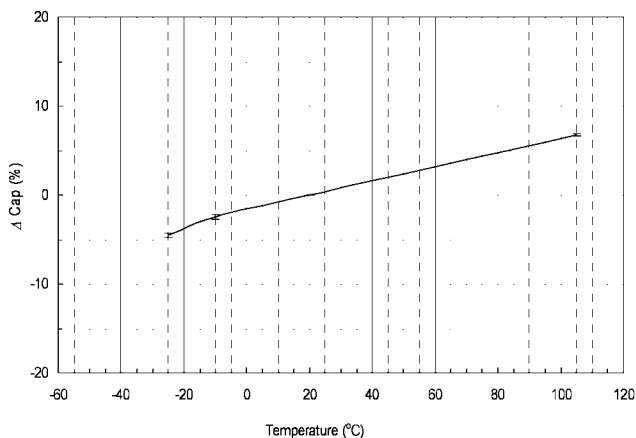


ACHV476M250I2T (250V47 μ F, ϕ 16x21.5L)

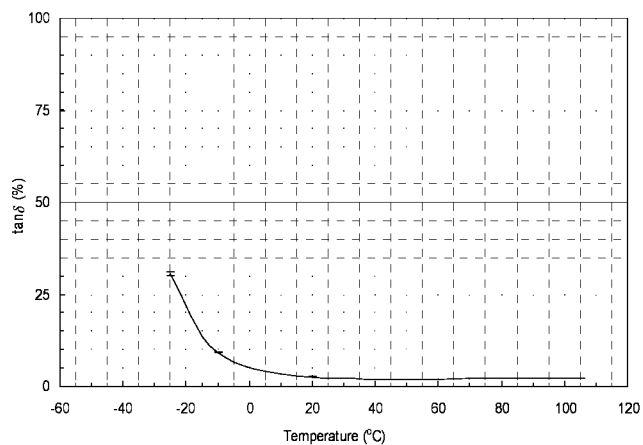
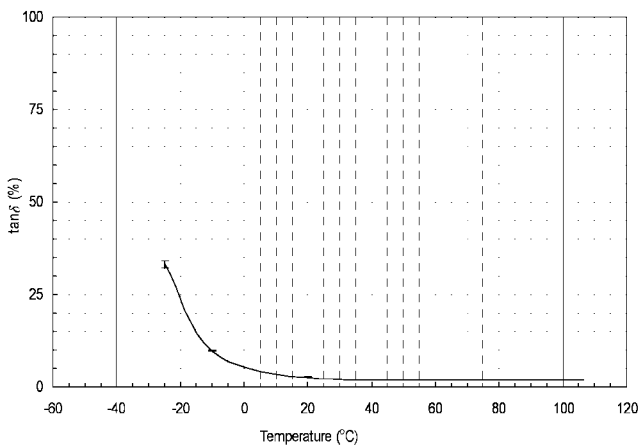
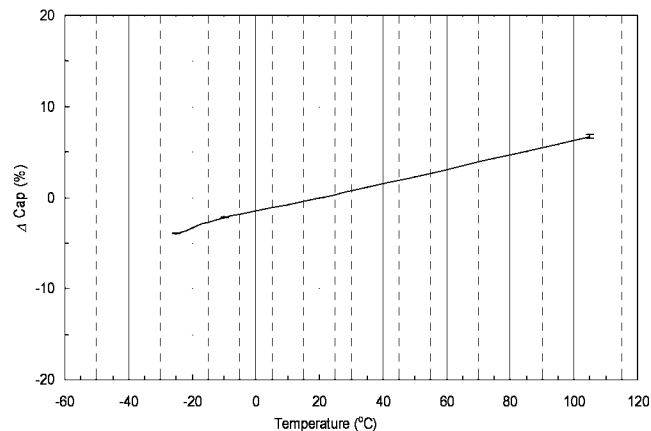


TEMPERATURE CHARACTERISTICS

ACHV106M400IT (400V10 μ F, ϕ 16x16.5L)

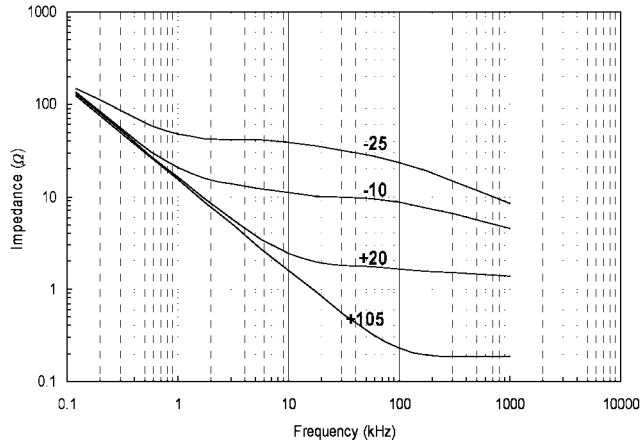


ACHV476M250I2T (250V47 μ F, ϕ 16x21.5L)



FREQUENCY CHARACTERISTICS

ACHV106M400IT (400V10 μ F, ϕ 16x16.5L)



ACHV476M250I2T (250V47 μ F, ϕ 16x21.5L)

