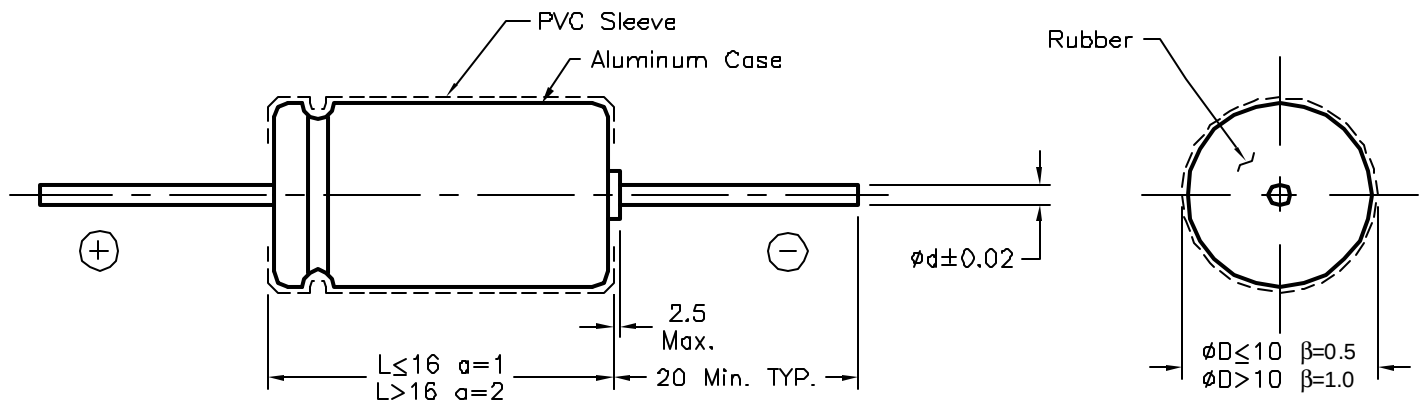
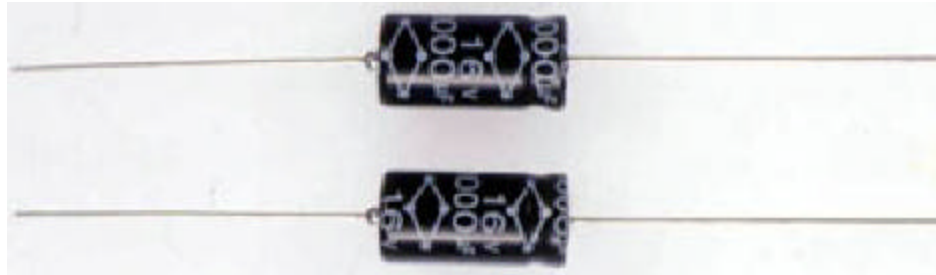


DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1890	A	RELEASED	JN	08/26/08	JWM	08/26/08	JWM	08/26/08


RoHS
Compliant


Features:

- For General Purpose
- Wide CV Valve Range
- Safely vent construction product, AX series are guaranteed 2,000 hours at 105°C

ϕD (+0.5 max.)	6.3	8	10	13	16	18
ϕd (±0.02)	0.6	0.6	0.6	0.6	0.8	0.8

SPC-F004.DWG

TOLERANCES: UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	DRAWN BY:	DATE:	DRAWING TITLE:			
	Jason Nash	09/26/08	Aluminum Electrolytic Capacitor; Capacitor, General Purpose			
	CHECKED BY:	DATE:	SIZE	DWG. NO.	ELECTRONIC FILE	REV
	JWM	09/26/08	A	TA-945	TA-945.DWG	A
	APPROVED BY:	DATE:	SCALE: NTS		U.O.M.: Millimeters	SHEET: 1 OF 5
	JWM	09/26/08				

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CHARACTERISTICS

ITEM	PERFORMANCE														
Operating Temperature Range	-40°C to 105°C								-25°C to 105°C						
Rated Working Voltage Range	6.3 - 100 VDC								160 - 450 VDC						
Nominal Capacitance Range	0.1 - 15000 μF								0.47 - 330 μF						
Capacitance Tolerance	±20% (at +20°C, 120 Hz)														
Leakage Current	I ≤ 0.01CV or 3 μA max								I ≤ 0.03CV + 20 μA Max.						
	whichever is greater after 3 minutes.								where: I = Leakage Current in μA C = Rated capacitance in μF V = Working voltage in V						
Dissipation Factor (Tan δ) (120 Hz \ +20°C)	Working Voltage														
	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450	
	Tan δ Max.														
For capacitors whose capacitance exceeds 1,000 μF, the specification of Tan δ is increased by 0.02 for every addition of 1,000 μF.															
Maximum Permissible Ripple Current	Refer to standard products table (120 Hz, +105°). Correction factor for frequency.														
	W.V. (VDC) \ Freq. (Hz)		Freq. (Hz)					60	120	1K	10K	100K			
			0.1 - 330		0.85	1	1.30	1.40	1.55						
			470 - 3300		0.95	1	1.15	1.20	1.25						
	≥ 4700		0.95	1	1.10	1.20	1.20								
	63-100		0.47 - 33		0.75	1	1.55	1.65	1.80						
			47 - 220		0.75	1	1.40	1.60	1.65						
			≥ 330		0.80	1	1.30	1.35	1.40						
	≥160		1 - 220		0.70	1	1.30	1.70	1.70						
	Low Temperature Characteristics (stability at 120 Hz)	For capacitance value > 1000 μF: Add 0.5 per 1000 μF for -25°C/+25°C. Add 1.0 per 1000 μF for -40°C/+20°C.													
Working Voltage															
6.3		10	16	25	35	50	63	100	160	200	250	350	400	450	
-25°C/+20°C															
High Temperature Loading	After 2000 hrs application of DC rated working voltage at +105°C, the capacitor shall meet the following limits: Post test requirements at +20°C.														
	Leakage Current		≤ the initial specified value												
Capacitance change		≤ ±20 % of initial specified value													
Dissipation Factor (Tan δ)		≤ 200 % of initial specified value													
Shelf Life	After storage for 500 hours at 105°C with no voltage applied. Post test requirements at +20°C same limits for high temperature loading.														



RoHS
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Mfg. P/N	Working Voltage (WVDC)	Capacitance (pF)	Case Size	
			Body diameter	Body Length
MCAX150V106K10X21	150	10	10	21
MCAX150V506M13X27		50	13	27
MCAX16V106K6X13	16	10	6	13
MCAX25V106K6X13	25	10	6	13
MCAX25V106M6X13		10	6	13
MCAX25V107K8X13		100	8	13
MCAX25V107M8X13		100	8	13
MCAX25V107M8X16		100	8	16
MCAX25V108M13X22		1,000	13	22
MCAX25V207K8X16		200	8	16
MCAX25V226M6X13		22	6	13
MCAX25V227M8X16		220	8	16
MCAX25V256K6X13		25	6	13
MCAX25V256M6X13		25	6	13
MCAX25V257M8X16		250	8	16
MCAX25V476M6X13		47	6	13
MCAX25V477M10X21		470	10	21
MCAX25V506M6X13		50	6	13
MCAX25V507M10X21		500	10	21

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SIZE

A

DWG. NO.

TA-945

ELECTRONIC FILE

TA-945.DWG

REV

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DWG. NO. SPC-F004 * Effective: 7/8/02 * DCP No: 1398

SCALE: NTS

U.O.M.: Millimeters

SHEET: 3 OF 5

MCAX350V106M10X21	350	10	10	21
MCAX350V107M18X36		100	18	36
MCAX35V106M6X13	35	10	6	13
MCAX35V107M8X16		100	8	16
MCAX35V226M6X13		22	6	13
MCAX35V476K6X13		47	6	13
MCAX40V108M16X32	40	1,000	16	32
MCAX40V227M10X21		220	10	21
MCAX40V228M18X36		2,200	18	36
MCAX40V476M8X16		47	8	16
MCAX40V478M20X36		4,700	20	36
MCAX40V687M16X28		680	16	28
MCAX450V106M13X25	450	10	13	25
MCAX450V205M10X21		2	10	21
MCAX450V206M13X32		20	13	32
MCAX450V226M16X32		22	16	32
MCAX450V406M18X36		40	18	36
MCAX450V805M13X25		8	13	25
MCAX50V105K6X13	50	1	6	13
MCAX50V106M6X13		10	6	13
MCAX50V107K8X16		100	8	16

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MCAX50V108M16X32	50	1,000	16	32
MCAX50V108M16X38		1,000	16	38
MCAX50V156K6X13		15	6	13
MCAX50V157M10X21		150	10	21
MCAX50V205K6X13		2	6	13
MCAX50V206K6X13		20	6	13
MCAX50V226M6X13		22	6	13
MCAX50V256M6X13		25	6	13
MCAX50V476M8X16		47	8	16
MCAX50V508K22X42		5,000	22	42
MCAX63V105M6X13	63	1	6	13
MCAX63V106M6X13		10	6	13
MCAX63V107M10X21		100	10	21
MCAX63V108M16X36		1,000	16	36
MCAX63V225M6X13		2.2	6	13
MCAX63V226M6X13		22	6	13
MCAX63V227M13X22		220	13	22
MCAX63V228M20X36		2,200	20	36
MCAX63V337M13X27		330	13	27
MCAX63V476M8X16		47	8	16

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DOC. NO. SPC-F004 * Effective: 7/8/02 * DCP No: 1398

SCALE: NTS

U.O.M.: Millimeters

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