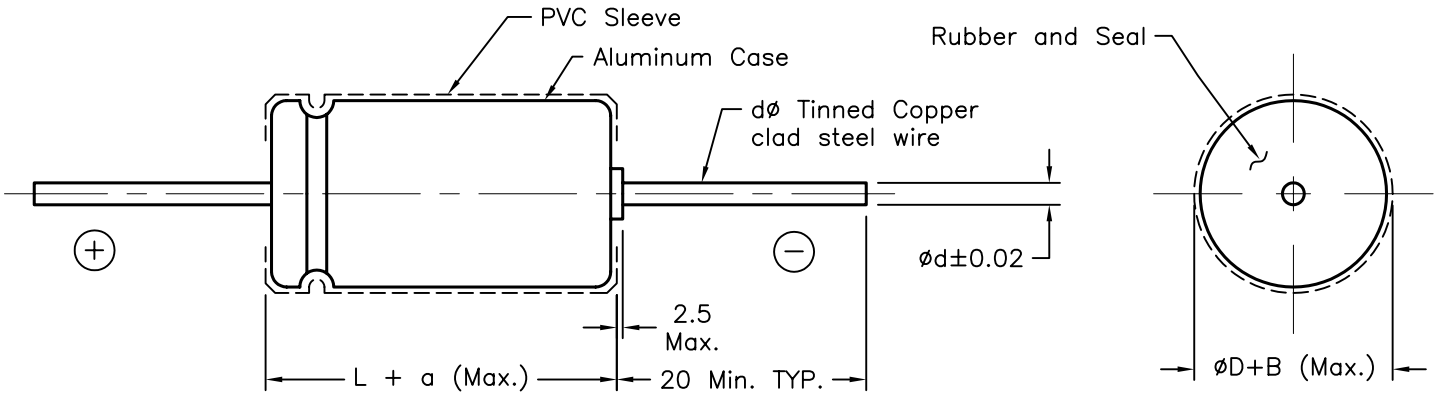
multicomp

REVISIONS			DOC. NO. SPC-F004 * Effective: 7/8/02 * DCP No: 1398					
DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1890	A	RELEASED	EO	3/12/06	TL	03/13/06	HO	03/13/06

RoHS Compliant

Features:
- 160 ~ 450V Rated Voltage, 85°C, 1,000 hours assured
- For general purpose application

øD	5	6	6.3	8	10	13	16	18	22	25
ød	0.6						0.8			
a	1.5				2.0					
B	0.5				1.0					



Multicomp Mfr P/N	Capacitance (µF)	Working Voltage (VDC)	Diameter (mm)	Length (mm)
MCHV010M2EB-0616-RH	1	250	6	16
MCHV2R2M2EB-0816-RH	2.2	250	8	16
MCHV4R7M2EB-0820-RH	4.7	250	8	20
MCHV100M2EB-1021-RH	10	250	10	21
MCHV220M2EB-1326-RH	22	250	13	26
MCHV470M2EB-1632-RH	47	250	16	32
MCHV101M2EB-1640-RH	100	250	16	40
MCHV2R2M2WB-1021-RH	2.2	450	10	21
MCHV4R7M2WB-1026-RH	4.7	450	10	26
MCHV100M2WB-1326-RH	10	450	13	26
MCHV220M2WB-1632-RH	22	450	16	32
MCHV470M2WB-2240-RH	47	450	22	40
MCHV101M2WB-2550-RH	100	450	25	50

SPC-F004.DWG

TOLERANCES:	DRAWN BY:	DATE:
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	EKLAS ODISH	3/13/06
	CHECKED BY:	DATE:
	THOMAS LEE	03/13/06
	APPROVED BY:	DATE:
	HISHAM ODISH	03/13/06

DRAWING TITLE: High Voltage, Axial, Aluminum Electrolytic Capacitors

SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	TA-690	TA-1690.DWG	A

SCALE: NTS | U.O.M.: Millimeters | SHEET: 1 OF 2

CHARACTERISTICS

Item	Characteristic
Operating Temperature Range	-40°C ~ +85°C
Capacitance Tolerance	±20% (at 20°C, 120 Hz)
Leakage Current	I = 0.03CV +15 (μA) (CV ≦ 1000) I = 0.02CV + 25 (μA) (CV > 1000) (after 5 minutes applying the rated DC working voltage at 20°C) where: C = rated capacitance in μF V = rated DC working voltage in V
Dissipation Factor (Tan δ) (@ 20°C, 120 Hz)	Rated Voltage (V): 160 / 200 / 250 / 350 / 400 / 450 Tan δ: 0.15 / 0.15 / 0.20 / 0.20 / 0.24 / 0.24 For capacitors whose capacitance exceeds 1,000μF, the specification of Tan δ is increased by 0.02 for every addition of 1,000μF.
Surge Voltage	Rated Voltage (V): 160 / 200 / 250 / 350 / 400 / 450 Surge Voltage (V): 200 / 250 / 300 / 400 / 450 / 500
Low Temperature Characteristics	Impedance ratio at 120 Hz. Rated Voltage (V): 160 / 200 / 250 / 350 / 400 / 450 Z (-25°C)/Z (+20°C): 3 / 6 / 8 / 12 / 14 / 16 Z (-40°C)/Z (+20°C): 4 / 8 / 10 / - / - / -
Load Life	After 1000 hours application of rated voltage at 85°C, capacitors meet the characteristics requirements listed at right. Capacitance Change: Within ±20% of initial value Dissipation Factor: Less than 200% of specified value Leakage Current: Initial specified value or less
Shelf Life	After leaving capacitors under no load at 85°C for 1000 hours and applying voltage they meet the specified value for load life characteristics listed above.
Marking	Printed with white color letter on black sleeve.
Applicable Standards	Satisfies characteristics W of JIS C5141.

Allowable ripple current vs ambient temperature

Ambient temp (°C)	Under 50	70	85
Multiplier	1.78	1.40	1.00

Frequency coefficient of allowable ripple current

Cap (μF) \ Freq. (Hz)	60	120	500	1K	10K up
Under 100	0.70	1.00	1.30	1.40	1.50
100 to 330	0.75	1.00	1.20	1.30	1.35