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PART NO.

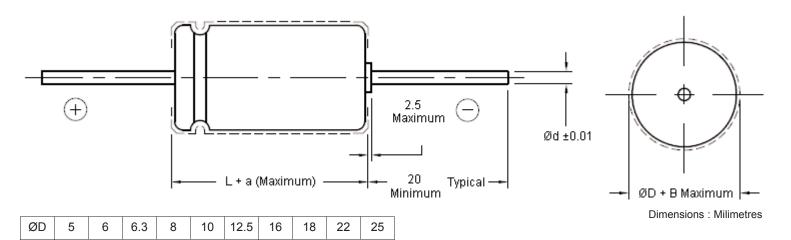
MCTEA - Series

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		REVISIONS						
ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	Α	RELEASED	SID	31/3/12	AMU	31/3/12		16/4/12





Features:

- 85°C, 1,000 hours assured
- For general purpose application

Item		Characteristic							
Operating Temperature Range	-40°C to +85°C	40°C to +85°C							
Capacitance Tolerance	±20% (at 20°C, 120 Hz)								
Leakage Current	Rated Voltage Time	≤100 V After 2 minutes		>100 V After 5 minutes					
	Leakage Current	I = 0.02 CV or 3 (μA) whichever is greater	CV ≤1,000 I = 0.03 CV + 15 (μA)	CV >1,000 I = 0.02 CV + 25 (μA)					

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SID	31/03/12		
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AMU	31/03/12	Α	
APPROVED BY:	DATE:	- 	
	16/04/12	SCAL	E: NTS

:	DRAWI	NG IIILE:									
2		Axial Aluminum Electrolytic Capacitors									
: :	SIZE DWG NO. M10002777 ELECTRONIC FILE R47M1HB-0512P							REV A			
:											
	SCAL	E: NTS	U.O.M.: mm		SHEET:	1	OF	4			



PART NO.

MCTEA - Series

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Item								Chara	cteristic								
Disslpation Factor (Tan δ)	Rated Volta	ge 6	6.3	10	16	25	35	50	63	100	160	20	0 2	50 3	350	400	450
(At 20°C, 120 Hz)	Tan δ (maxim	um) 0	.23	0.2	0.17	0.15	0.12	0.1	0.09	0.08	0.12	2 0.1	4 0.	17 (0.2	0.24	0.24
	Impedance ratio	shall no	t exce	eed the	value ç	given in	the tab	le belov	v								
	Rated Volt	age (V)		6.3	10	16	25	35	50	63	100	160	200	250	350	400	450
To read a real time. Oh a real station	Z (-25°C)	ØD < 1	6	6	4	3	3	2	2	2	2	3	6	8	12	14	16
ow Temperature Characteristics	Z (+20°C)	ØD ≥ 1	6	8	6	4	4	3	3	3	3	-	-	-	-	-	-
	Z (-40°C)	ØD < 1	6	10	8	6	6	4	3	3	3	4	8	10	-	-	-
	Z (+20°C)	ØD ≥ 1	6	18	16	12	10	8	8	6	6	-	-	-	-	-	-
Load Life	Leakage Current Dissipation Factor			Initial specified value or less Within 200% of specified value													
	Capacitance	Change	Wi	thin ±2	0% or le	ess of ir	nitial val	ue									
Objects to	After leaving cap	pacitors ι	under	no loa	d at 85°	C for 1	,000 ho	urs and	applyin	g voltag	ge they	meet th	e spec	cified va	alue for	load life)
Shelf Life	characteristics li	sted abo	ve														
Sneit Lite		sted abo		60 (50)			120		5	600		1	K		10	K up	
	Fred	ı (Hz)		60 (50)			120			1.3			K			K up	
Ripple Current and Frequency Multipliers	Frec Cap (μF)	(Hz)										1			1		

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	16/04/12

SCALE: NTS

DRAWING TITLE:	Axial	Aluminum	Electrolytic	Capacitors

U.O.M.: mm

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	SIZE	DWG NO.		ELEC	TRONIC FILE	REV
	Δ		M10002777	R47	7M1HB-0512P	Α
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MCTEA - Series

		REVISIONS						
ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
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Specification Table

Capacitance	Working Voltage	Diameter	Length	Dord Namels an
μF	V dc	mm	mm	Part Number
1	50	5	12	MCTEA010M1HB-0512P
1	250	6.3	13	MCTEA010M2EB-0616 P
10	25	5	12	MCTEA100M1EB-0512P
10	50	5	12	MCTEA100M1HB-0613P
10	63	6.3	13	MCTEA100M1JB-0613P
10	100	6.3	13	MCTEA100M2AB-0613P
10	250	10	21	MCTEA100M2EB-1021P
10	450	13	27	MCTEA100M2WB-1327P
100	25	8	13	MCTEA101M1EB-0813P
100	50	10	17	MCTEA101M1HB-1017P
100	63	10	17	MCTEA101M1JB-1017P
100	35	8	16	MCTEA101M1VB-0816P
100	250	16	42	MCTEA101M2EB-1642P
100	450	25	52	MCTEA101M2WB-2552P
1,000	10	10	17	MCTEA102M1AB-1017P
1,000	25	13	22	MCTEA102M1EB-1322P
1,000	50	16	33	MCTEA102M1HB-1633P
1,000	63	16	36	MCTEA102M1JB-1633P
1,000	35	13	27	MCTEA102M1VB-1327P
22	16	5	12	MCTEA220M1CB-0512P

Capacitance	Working Voltage	Diameter	Length	Part Number
μF	V dc	mm	mm	Part Number
22	25	5	12	MCTEA220M1EB-0512P
22	50	6.3	13	MCTEA220M1HB-0613P
22	35	6.3	13	MCTEA220M1VB-0613P
22	250	13	27	MCTEA220M2EB-1327P
22	450	16	36	MCTEA220M2WB-1633P
220	16	8	13	MCTEA221M1CB-0813P
220	50	10	21	MCTEA221M1HB-1021P
220	63	13	22	MCTEA221M1JB-1322P
220	35	10	17	MCTEA221M1VB-1017P
2,200	16	13	24	MCTEA222M1CB-1324P
2,200	25	16	28	MCTEA222M1EB-1628P
2,200	50	18	36	MCTEA222M1HB-1836P
2,200	63	22	43	MCTEA222M1JB-2043P
2,200	35	16	33	MCTEA222M1VB-1636P
2.2	50	5	12	MCTEA2R2M1HB-0512P
2.2	250	8	16	MCTEA2R2M2EB-0816P
2.2	450	10	21	MCTEA2R2M2WB-102P
330	50	13	22	MCTEA331M11HB-1322P
47	16	6.3	13	MCTEA470MCB-0613P
47	25	6.3	13	MCTEA470M1EB-0613P

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SIZE DWG NO. M10002777 M10002777 BELECTRONIC FILE R47M1HB-0512P

SCALE: NTS U.O.M.: mm SHEET: 3 OF 4

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MCTEA - Series

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-	Α	RELEASED	SID	31/3/12	AMU	31/3/12		16/4/12

Specification Table

Capacitance	Working Voltage	Diameter	Length	Part Number		
μF	V dc	mm	mm	Part Number		
47	50	8	13	MCTEA470M1HB-0813P		
47	63	8	16	MCTEA470M1JB-0816P		
47	35	6.3	13	MCTEA470M1VB-0613P		
47	100	10	21	MCTEA470M2AB-1021P		
47	250	16	33	MCTEA470M2EB-1633P		
47	450	22	42	MCTEA470M2WB-2243P		
470	16	8	16	MCTEA471M1CB-0816P		
470	50	13	22	MCTEA471M1HB-1322P		
470	63	13	27	MCTEA471M1JB-1327P		
470	35	13	22	MCTEA471M1VB-1322P		
4,700	25	18	36	MCTEA472M1EB-1836P		
4,700	63	25	52	MCTEA472M1JB-2552P		
4,700	35	22	43	MCTEA472M1VB-2243P		
4.7	50	5	12	MCTEA4R7M1HB-0512P		
4.7	100	6.3	13	MCTEA4R7M2AB-0613P		
4.7	250	8	17	MCTEA4R7M2EB-0821P		
4.7	450	10	26	MCTEA4R7M2WB-1026P		
0.47	50	5	12	MCTEAR47M1HB-0512P		

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SID	31/03/12			
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	16/04/12	SCALE: NTS		
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SIZE	DWG NO.	N/10000777	ELECTRONIC FILE	ſ

| SIZE | DWG NO. | M10002777 | ELECTRONIC FILE | REV | R47M1HB-0512P | A | SCALE: NTS | U.O.M.: mm | SHEET: 4 OF 4