

ITA ALUMINUM ELECTROLYTIC CAPACITORS

RTCD289 SERIES

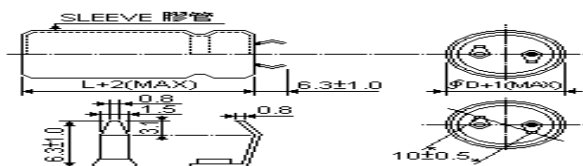


Load life of 2000 hours at 85°C, High ripple current, Smaller size, PCB Mounting

SPECIFICATIONS

Item	Characteristics																																																																							
Operating Temperature Range(°C)	-40~+85					-25~+85																																																																		
Rated Voltage Range(V)	10~400					450~500																																																																		
Capacitance Tolerance(20°C,120Hz)	±20%																																																																							
Leakage current(u A)	0.01CV or 1.5mA whichever is smaller(at 20°C,after 5 minutes) C:Nominal Capacitance(u F),V:Rated Voltage(V)																																																																							
Dissipation Factor(20°C,120Hz)	<table border="1"> <tr> <th> <table border="1"> <tr> <td>voltage (V)</td> <td>10~16</td> <td>25</td> <td>35~50</td> <td>63</td> <td>80~100</td> <td>voltage (V)</td> <td>160~200</td> <td>250~500</td> </tr> <tr> <td>CAP (uf)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ΦD(mm)</td> <td></td> <td></td> </tr> </table> </th> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>≤2700</td> <td>--</td> <td>--</td> <td>0.20</td> <td>0.15</td> <td>0.15</td> <td>22~30</td> <td>0.10</td> <td>0.15</td> </tr> <tr> <td>3300~4700</td> <td>--</td> <td>0.35</td> <td>0.25</td> <td>0.20</td> <td>0.15</td> <td>35</td> <td>0.12</td> <td>0.15</td> </tr> <tr> <td>5600~6800</td> <td>0.40</td> <td>0.35</td> <td>0.30</td> <td>0.20</td> <td>0.20</td> <td></td> <td></td> <td></td> </tr> <tr> <td>≥8200</td> <td>0.40</td> <td>0.35</td> <td>0.35</td> <td>0.25</td> <td>--</td> <td></td> <td></td> <td></td> </tr> </table>	<table border="1"> <tr> <td>voltage (V)</td> <td>10~16</td> <td>25</td> <td>35~50</td> <td>63</td> <td>80~100</td> <td>voltage (V)</td> <td>160~200</td> <td>250~500</td> </tr> <tr> <td>CAP (uf)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ΦD(mm)</td> <td></td> <td></td> </tr> </table>	voltage (V)	10~16	25	35~50	63	80~100	voltage (V)	160~200	250~500	CAP (uf)						ΦD(mm)											≤2700	--	--	0.20	0.15	0.15	22~30	0.10	0.15	3300~4700	--	0.35	0.25	0.20	0.15	35	0.12	0.15	5600~6800	0.40	0.35	0.30	0.20	0.20				≥8200	0.40	0.35	0.35	0.25	--											
	<table border="1"> <tr> <td>voltage (V)</td> <td>10~16</td> <td>25</td> <td>35~50</td> <td>63</td> <td>80~100</td> <td>voltage (V)</td> <td>160~200</td> <td>250~500</td> </tr> <tr> <td>CAP (uf)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ΦD(mm)</td> <td></td> <td></td> </tr> </table>	voltage (V)	10~16	25	35~50	63	80~100	voltage (V)	160~200	250~500	CAP (uf)						ΦD(mm)																																																							
	voltage (V)	10~16	25	35~50	63	80~100	voltage (V)	160~200	250~500																																																															
	CAP (uf)						ΦD(mm)																																																																	
	≤2700	--	--	0.20	0.15	0.15	22~30	0.10	0.15																																																															
3300~4700	--	0.35	0.25	0.20	0.15	35	0.12	0.15																																																																
5600~6800	0.40	0.35	0.30	0.20	0.20																																																																			
≥8200	0.40	0.35	0.35	0.25	--																																																																			
Temperature stability(120HZ)	Rated voltage			10	10~35	50~100	160~200	250~400	450~500																																																															
	impedance Ratio	Z-25°C/Z+20°C		5	4	3	3	4	4																																																															
		Z-40°C/Z+20°C		18	15	10	6	8	--																																																															
Load life(+85°C)	Life Time			2000hours																																																																				
	Leakage Current			Not more than the specified value																																																																				
	Capacitance change			Within±15% of the initial value																																																																				
	Dissipation Factor			Not more than 150% of the specified value																																																																				
Shelf Life(+85°C)	Life Time			1000hours																																																																				
	Leakage Current			Not more than the specified value																																																																				
	Capacitance change			Within±15% of the initial value																																																																				
	Dissipation Factor			Not more than 150% of the specified value																																																																				
	After test:UR TO be applied for 30 minutes,24 to 48 hours before measurement																																																																							

尺寸图DIMENSIONS(m)



紋波電流補償係數 MULTIPLIER FOR RIPPLE CURRENT

(1) 頻率係數 Frequency coefficient

頻率(Hz)	Frequency	60	120	300	1k	10k	100k
10~50V	0.90	1.00	1.03	1.05	1.10	1.10	
63~100V	0.85	1.00	1.07	1.13	1.19	1.20	
160~450V	0.80	1.00	1.15	1.25	1.35	1.40	

ITA ALUMINUM ELECTROLYTIC CAPACITORS

WV (v)	cap	Case size	ESR 20°C	Ripple	WV (v)	cap	Case size	ESR 20°C	Ripple
	(μ F)	Φ D*L (mm)	120Hz (m Ω)	Arms		(μ F)	Φ D*L (mm)	120Hz (m Ω)	Arms
10	10000	22*25	53	2.5	25	5600	22*25	83	2.0
	15000	22*30	35	3.2		6800	22*30	68	2.3
	18000	22*35	29	3.6		8200	22*35	57	2.6
	18000	25*30	29	3.6		10000	22*40	46	2.9
	22000	22*40	24	4.0		10000	25*30	46	2.8
	22000	30*25	24	4.1		12000	22*45	39	3.3
	33000	35*25	16	4.8		15000	25*40	31	3.7
	39000	25*45	14	5.2		15000	35*25	31	3.9
	39000	30*35	14	5.3		18000	25*50	26	4.3
	47000	25*50	11	5.8		18000	30*35	26	4.2
	47000	30*40	11	6.0		18000	35*30	26	4.4
	47000	35*30	11	6.0		22000	30*40	21	4.8
	56000	35*35	9	6.8		33000	35*40	14	6.5
	68000	30*50	8	7.5		39000	35*45	12	7.5
16	8200	22*25	65	2.2	35	3300	22*25	101	1.8
	10000	22*30	53	2.6		3900	22*30	85	2.1
	10000	25*25	53	2.6		4700	25*25	71	2.2
	12000	22*35	44	2.9		5600	22*35	71	2.3
	15000	22*40	35	3.3		5600	25*30	71	2.3
	15000	25*30	35	3.3		6800	22*40	59	2.9
	15000	30*25	35	3.4		6800	25*35	59	2.6
	18000	22*45	29	3.8		6800	30*25	59	2.7
	18000	25*35	29	3.7		8200	22*50	57	2.8
	22000	22*50	24	4.2		8200	25*40	57	2.8
	22000	25*40	24	4.2		8200	30*30	57	2.8
	22000	35*25	24	4.4		8200	35*25	57	2.9
	27000	25*45	20	5.0		10000	25*45	46	3.1
	33000	30*40	16	5.6		12000	25*50	39	3.5
	33000	35*30	16	5.6		12000	30*40	39	3.5
	39000	30*45	14	6.2		15000	30*45	31	4.1
	39000	35*35	14	6.3		15000	35*35	31	4.1
	47000	30*50	11	7.0		18000	30*50	26	4.6
	47000	35*40	11	7.2		18000	35*40	26	4.7
	56000	35*45	9	8.0		22000	35*45	21	5.3
						27000	35*50	17	7.0
						22000	35*45	21	5.3
				27000	35*50	17	7.0		

ITA ALUMINUM ELECTROLYTIC CAPACITORS

WV (v)	cap	Case size	ESR 20°C	Ripple	WV (v)	cap	Case size	ESR 20°C	Ripple
	(μ F)	Φ D*L (mm)	120Hz (m Ω)	Arms		(μ F)	Φ D*L (mm)	120Hz (m Ω)	Arms
50	2200	22*25	121	1.7	80	1000	22*25	199	1.3
	2700	22*30	98	1.9		1200	22*30	166	1.5
	2700	25*25	98	1.9		1500	25*25	133	1.7
	3900	22*35	85	2.1		1800	22*35	111	1.9
	3900	30*25	85	2.4		2200	22*40	90	2.1
	4700	22*40	71	2.4		2200	25*35	90	2.2
	5600	22*50	71	2.5		2700	22*50	74	2.5
	6800	25*45	59	2.8		3300	25*45	60	2.8
	8200	30*40	57	3.0		3900	30*40	51	3.2
	10000	30*45	46	3.4		4700	30*45	42	3.6
	12000	30*50	39	3.8		5600	30*50	47	3.5
	15000	35*50	31	4.5		6800	35*50	39	4.1
	22000	35*60	21	5.8		8200	35*50	32	4.3
						10000	35*60	27	4.6
63	1500	22*25	133	1.6	100	680	22*25	293	1.1
	2200	22*30	90	2.0		820	22*30	243	1.2
						1000	25*25	199	1.4
	2700	22*35	74	2.2		1200	22*35	166	1.6
	3300	25*35	80	2.3		1200	25*30	166	1.6
	3900	22*45	68	2.5		1500	22*40	133	1.8
	3900	30*30	68	2.6		1500	25*35	133	1.7
	4700	35*25	68	2.7		1500	30*25	133	1.8
	5600	30*35	56	2.8		1800	22*50	111	2.1
	6800	35*30	47	3.3		1800	25*40	111	2.0
	8200	30*50	40	3.7		1800	30*30	111	2.1
	10000	35*40	40	3.8		1800	35*25	111	2.2
	12000	35*45	28	4.8		2200	25*45	90	2.2
	15000	35*50	22	5.2		2700	25*50	74	2.6
	18000	35*60	18	5.6		3300	35*35	60	3.1
						3900	30*50	51	3.4
						4700	35*50	42	4.0

ITA ALUMINUM ELECTROLYTIC CAPACITORS

WV (v)	cap (μ F)	Case size Φ D*L (mm)	ESR 20°C 120Hz (m Ω)	Ripple Arms	WV (v)	cap (μ F)	Case size Φ D*L (mm)	ESR 20°C 120Hz (m Ω)	Ripple Arms
160	330	22*25	483	1.3	200	220	22*25	724	1.1
	390	22*30	408	1.5		330	22*30	483	1.4
	390	25*25	408	1.5		330	25*25	483	1.4
	560	22*35	284	1.9		390	22*35	408	1.6
	560	25*30	284	1.9		390	25*30	408	1.6
	560	30*25	284	2.0		470	22*35	339	1.8
	680	22*40	234	2.1		470	30*25	339	1.9
	680	25*35	234	2.2		560	22*45	284	2.0
	820	22*50	194	2.5		560	25*35	284	2.0
	820	35*25	194	2.4		680	25*40	234	2.3
	1000	35*30	159	2.7		820	30*40	194	2.7
	1200	25*50	133	3.1		820	35*30	194	2.5
	1200	30*40	133	3.2		1000	30*45	159	3.1
	1500	30*45	106	3.7		1200	30*50	133	3.4
	1800	35*45	88	3.9		1500	35*50	106	3.8
	2200	35*50	72	4.5		180	22*25	1106	0.94
180	270	22*25	590	1.2	250	220	22*30	905	1.1
	330	22*30	483	1.4		220	25*25	905	1.1
	390	25*25	408	1.5		270	22*35	737	1.2
	470	22*35	339	1.7		330	22*40	603	1.4
	470	25*30	339	1.7		330	25*30	603	1.4
	560	22*40	284	1.9		390	22*45	510	1.6
	560	25*35	284	2.0		390	25*35	510	1.6
	680	30*30	234	2.3		470	30*30	423	1.8
	680	35*25	234	2.2		470	35*25	423	2.4
	820	25*45	194	2.5		560	25*45	355	2.0
	820	30*35	194	2.6		560	30*35	355	2.0
	820	35*30	194	2.5		680	30*40	293	2.3
	1000	30*40	159	2.9		820	30*45	243	2.6
	1200	30*45	133	3.3		820	35*35	243	2.6
	1200	35*35	133	3.1		1000	35*40	199	3.0
	1500	35*45	106	3.6		1200	35*45	166	3.4
1800	35*50	88	4.1						

ITA ALUMINUM ELECTROLYTIC CAPACITORS

WV (v)	cap	Case size	ESR 20°C	Ripple	WV (v)	cap	Case size	ESR 20°C	Ripple
	(μ F)	Φ D*L (mm)	120Hz (m Ω)	Arms		(μ F)	Φ D*L (mm)	120Hz (m Ω)	Arms
350	82	22*25	2427	0.64	400	68	22*25	2927	0.55
	120	22*30	1659	0.82		100	22*30	1990	0.7
	120	25*25	1659	0.81		100	25*25	1990	0.7
	150	22*35	1327	0.94		120	22*35	1659	0.79
	150	25*30	1327	0.94		150	22*45	1327	0.9
	180	22*40	1106	1.1		150	25*30	1327	0.89
	180	30*25	1106	1.1		150	30*25	1327	0.95
	220	22*45	905	1.2		180	25*35	1106	1.0
	270	25*45	737	1.4		220	35*25	905	1.3
	330	35*30	603	1.6		270	35*30	737	1.5
	390	30*40	510	1.7		330	30*40	603	1.6
	390	35*35	510	1.8		330	35*35	603	1.7
	470	30*45	423	2.0		390	30*45	510	1.8
	470	35*40	423	2.0		470	30*50	423	2.0
	560	35*45	355	2.3		470	35*40	423	1.9
	680	35*50	293	2.6		560	35*50	355	2.4
						680	35*50	293	2.6
						820	35*50	243	2.8
				1000	35*60	199	3.4		
450	47	22*25	4235	0.45	500	100	25*40	1990	0.85
	68	22*30	2927	0.57		120	30*30	1659	1.0
	100	25*25	1990	0.73		150	30*35	1327	1.2
	120	22*40	1659	0.8		220	25*50	905	1.2
	150	22*40	1327	1.0		220	35*35	905	1.5
	180	35*40	1106	1.1		180	30*40	1106	1.4
	220	22*50	905	1.2		180	35*30	1106	1.3
	270	30*40	737	1.4		270	30*50	737	1.8
	330	30*45	603	1.7		330	35*45	603	2.0
	470	35*45	423	2.2		390	35*50	510	2.3
	560	35*50	355	2.4		470	35*60	423	2.6
	680	35*60	293	2.7					
	820	35*65	243	3.0					