

CODIGO	DESCRIPCION
RXXXMXX	Electroliticos de aluminio

ECR SERIES

- Life 1000 hours at 85°C
- Small size allows wider choice of capacitance and voltage for automatic insertion.

Characteristics

Voltage Range	6.3 to 1	00 VDC		- *		160	0 to 450	VDC			
Capacitance Range	0.47 to 10000 µF					0.47 to 220 µF					
Temperature Range	- 40 to	0 + 85°	;			- 25 to + 85°C					
Capacitance Tolerance		+	20 % -	t 20℃,	20°C, 120Hz)						
Leakage Current	I≦0.01CV or 3µA \ 3 minutes after Ra	Whichev ted Volt	ver is gre age ap	eater plied	I≦0.0 3 min	03CV or outes after	10µA Wi er Ratec	hicheve d Voltag	er is greate ge applied		
	Rated voltage	6,3V	10V	16V	25V	35V	50V	63V	100V		
	tan δ(max)	0.22	0.20	0.17	0.15	0.12	0.10	0.10	0.08		
Dissipation Factor (tan δ)	Rated voltage		200V	250V	350V	400V	450V]			
()	tan δ(max)	0.16	0.18	0.18	0.20	0.20	0.20				
	Impedance rati	6.3V	10V	16V	25V	35V	50V	63V	100V		
	Rated voltage	6.3V	10V	16V	25V	351/	501/	A3\/	1000/		
Stability at	Z-25°C / Z 20°C	4	3	2	2	2	2	2	2		
Low Temperature	Z-40°C / Z 20°C	8	6	4	4	3	3	3	3		
I WO-HARD HI	Rated voltage	160V	200V	250V	350V	400V	450V	1			
	Z-25°C / Z·20°C	2	2	3	5	15	15	j			
	After the rated volta	nae has	Capaci	ance cha	nge Wi	thin ±20	% of init	tial valu	е		
Load Life	been applied for 1	D.F. tan 8			150 % or less of initial specified value						
	hours at 85°C	Leakage current									
Shelf Life	After storage for 5 at + 20°C, Capac	00 hours itor shal	at 85°C I meet t	, with no	o volta	ge applie	ed and	being s	tabilized		

■Maximum Ripple Current

mA rms 85°C 120Hz

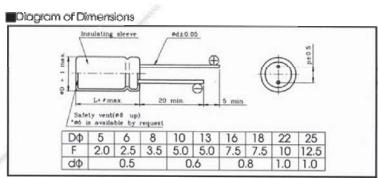
μF WV	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450
0.47						8	8	10	10	10	10	11	12	12
1						10	20	20	13	16	18	18	18	19
2.2						20	30	30	22	27	31	28	28	29
3.3						30	40	40	31	36	40	35	35	35
4.7		5				40	45	50	40	45	49	40	45	50
10			45	45	50	60	65	70	66.	72	81	70	70	75
22			75	90	95	100	105	115	110	126	144	110	110	110
33			85	95	105	120	130	145	140	160	170	140	140	150
47		90	100	120	135	150	160	180	180	193	210	170	170	170
100	100	150	170	180	210	250	270	350	270	306	340	340		
220	240	250	280	310	350	400	450	550	400					
330	300	330	350	370	440	500	550	700						
470	380	400	440	480	550	650	750	900						
1000	580	630	680	850	900	1050	1100	1050						
2200	890	920	1000	1200	1250	1300	1400	19-8						
3300	1020	1090	1200	1300	1400	1500	1600							
4700	1170	1200	1360	1500	1600	1700	1800							
6800	1270	1400	1600	1700	1800	1900								
10000	1450	1600	1800	1800	2000	2800								



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Unit(mm)

Case Size	of Standar	d Products	<u></u>			10	DxL(mm)		
μF WV	6.3	10	16	25	35	50	63	100	
0.47					→	5x11	5×11	5×11	
1	ALL BLAN	IK VOLTAGE	ON SLEEVE	MARKING	->	5×11	5×11	5×11	
2.2	IS SAME	Voltage "	POINT TO		-	5×11	5×11	5×11	
3.3	110				→	5×11	5×11	5×11	
4.7					->	5×11	5×11	5×11	
10		-	5×11	5×11	5×11	5×11	5×11	6×11	
22		->	5×11	5×11	5×11	5×11	6×11	8×12	
33		→ ₁	5×11	5×11	5×11	6×11	6×11	8×14	
47	-	5×11	5×11	5×11	6×11	6×11	8×12	10×16	
100	5×11	5×11	5×11	6×11	8×12	8×12	10×12.5	13×21	
220	5×11	6×11	6×11	8×12	8×14	10×16	10×21	13×26	
330	6×11	6×11	8×12	8×14	10×16	10×21	13×21	16×26	
470	6×12	8×12	8×12	8×14	10×16	13×21	13×26	16×32	
1000	8×12	8×14	10×16	10×21	13×21	16×26	16×32	22×41	
2200	10×16	10×16	13×21	13×26	16×26	16×36	18×38		
3300	10×21	13×21	13×26	16×26	16×32	18×38	22×41		
4700	13×21	13×26	16×26	16×32	18×38	22×41	25×41		
6800	16×26	16×32	16×36	18×38	22×41	25×41			
10000	16×32	16×36	18×38	22×41	25×41	25×50			

wv	160	200	250	350	400	450
0.47	5×11	5×11	5×11	6×11	6×11	6×11
1	5×11	6×11	6×11	8×12	8×12	8×12
2.2	6×11	6×11	8×12	10×12.5	10×12.5	10×16
3.3	6×11	8×12	8×12	10×12.5	10×12.5	10×16
4.7	8×12	8×12	10×12.5	10×12.5	10×16	10×21
10	10×12.5	10×16	10×16	10×21	13×21	13×26
22	10×16	10×21	13×21	13×21	13×26	16×26
33	10×21	13×21	13×26	16×26	16×32	16×32
47	13×21	13×26	16×26	16×32	16×36	16×36
100	16×26	16×32	16×32	18×38	Ind. The	
220	18×38			County Seal	163 (1 (A) / A)	