

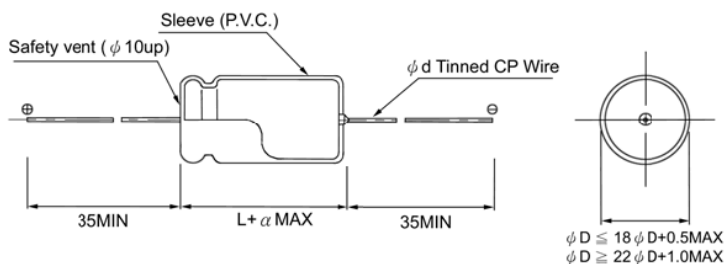
MDI SERIES

Axial Type 卧式一般尺寸标准型品，适用于各式小型化电子产品
 Miniature size for populate circuit
 Available in taping configuration for automatic insertion.

SPECIFICATION:

ITEMS 项目	CHARACTERISTIC 特性											
Rated Voltage Range 定格电压范围	6.3v ~ 100v DC						160v ~ 500v DC					
Operating Temperature 使用温度范围	-40°C ~ +85 °C						-25 °C ~ +85°C					
Capacitance Tolerance 电容量容许差	±20%(M) at 20°C,120Hz											
Leakage Current 漏泄电流	I=0.03CV or 4 μ A . whichever is greater after 3 minutes application of rated voltage						I=0.03CV+10 μ A max. after 3 minutes application of rated voltage					
	I=Leakage C=Rated capacitance V=Working voltage											
Dissipation Factor (tanδ) 损失角之正接	Add 0.02 per 1000μF for more than 1000μF(at 20°C,120Hz)											
	Rated voltage(Vdc)	6.3	10	16	25	35	50	63	100	160~250	350~500	
	DF (tan δ)	0.28	0.24	0.20	0.16	0.14	0.12	0.10	0.08	0.20	0.25	
Low Temperature Characteristics at 120Hz 低温稳定特性	Impedance ratio shall not exceed the values given in the table below											
	Rated voltage	6.3	10	16	25	35-100	50	63	100	160-250	350-500	
	Z(-25°C)/Z(20°C)	5	4	3	2	2	2	2	2	4	4	
	Z(-40°C)/Z(20°C)	12	10	8	5	5	3	3	3	--	--	
Load Life 高温负载寿命	After 2,000 hours application of rated voltage at 85°C, capacitors meet the characteristics requirements mentioned below											
	Capacitance change rate	≅ ±25% of initial value										
	DF (tan δ)	≅ 200% of the initial specified value										
	Leakage current	initial specified value										
Shelf Life 高温无负载寿命	AT 85°C no voltage applied after 500 hours the capacitor shall meet the following limits.											
	Capacitance change rate	≅ ±25% of initial value										
	DF(tan δ)	≅ 200% of the initial specified value										
	Leakage current	≅ 200% of the initial specified value										

DIMENSIONS(mm)



φ D	5 ~ 13	16 ~ 22	25
φ d	0.6	0.8	0.8
α	1.5		

RICHEY ALUMINUM ELECTROLYTIC CAPACITORS

MDI series

Standard Products Table 寸法表 DxL(mm)

WV Cap	6.3v		10v		16v		25v		35v		50v		63v		100v	
	DxL	mA	DxL	mA	DxL	mA	DxL	mA	DxL	mA	DxL	mA	DxL	mA	DxL	mA
0.47											5x13	5	5x13	7	5x13	10
1											5x13	10	5x13	14	5x13	18
2.2											5x13	23	5x13	25	5x13	27
3.3											5x13	30	5x13	32	5x13	34
4.7											5x13	36	5x13	38	5x13	40
10											5x13	50	5x13	55	6.3x13	65
22									5x13	70	6.3x13	85	6.3x13	90	8x16	120
33							5x13	80	6.3x13	95	6.3x13	105	6.3x16	125	8x16	145
47					5x13	90	6.3x13	105	6.3x13	115	6.3x16	140	8x16	160	8x20	190
100	5x13	110	5x13	130	6.3x13	145	6.3x13	170	8x16	200	8x16	220	8x20	260	10x26	310
220	6.3x13	180	8x16	220	8x16	260	8x16	280	10x21	340	10x21	370	10x26	440	13x26	560
330	6.3x16	250	8x16	300	8x16	320	8x16	350	10x21	410	10x21	510	13x26	650	13x31	730
470	8x16	330	8x16	350	10x17	390	10x21	460	10x26	550	13x26	740	13x26	770	16x31	960
1000	8x20	530	8x20	570	10x21	700	10x26	830	13x26	980	16x31	1120	16x31	1320	18x41	1640
2200	10x21	850	13x26	1100	13x26	1190	13x26	1330	16x31	1580	16x41	1925	18x41	2050	25x51	2120
3300	13x26	1210	13x31	1290	13x31	1460	16x31	1700	16x41	1800	18x41	2250				
4700	13x26	1400	16x31	1550	16x31	1840	16x41	2190	18x41	2370	22x51	2450	25X51	2550		
6800	13x31	1650	16x31	1930	16x41	2310	18x41	2480	22x51	2580	▲ ϕ DxL : Case size (mm)					
10000	16x31	1990	18x41	2350	22x41	2520	22x51	2670	25x51	2750						
15000	16x41	2480	18x41	2630	22x51	2715	22x51	2800			▲ Rated Ripple Current(mArms)					
22000					22x51	2820										

WV Cap	160v		200v		250v		350v		400v		450v		500v	
	DxL	mA	DxL	mA	DxL	mA	DxL	mA	DxL	mA	DxL	mA	DxL	mA
1	6.3x13	12	6.3x13	14	6.3x13	16	6.3x16	20	6.3x16	20	8x16	19	8x20	10
2.2	6.3x13	20	6.3x13	25	8x16	30	8x16	33	8x16	33	10x21	28	10x21	13
3.3	6.3x16	37	6.3x16	37	8x16	40	8x16	40	8x20	45	10x21	38	10x21	15
4.7	8x16	50	8x16	50	8x16	50	8x20	55	10x21	60	10x26	50	10x26	19
10	8x20	80	8x20	80	10x21	90	10x30	100	13x26	110	13x26	90	13x31	26
22	10x26	130	10x26	145	13x26	160	13x26	160	16x31	170	16x31	160	16x41	38
33	10x26	180	13x26	190	13x26	195	16x31	200	16x31	230	16x41	190	18x41	46
47	13x26	230	13x26	220	16x31	240	16x41	270	18x41	310	18x41	270	22x41	60
100	16x31	260	16x31	280	16x41	320	18x41	360	22X41	390	22x51	110	25x51	84
220	16x41	470	18x41	490	22x41	540	25X51	590						

Specific capacitance value or size may acceptable per request