

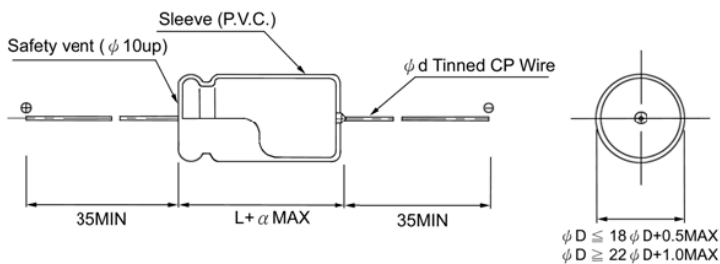
## MDIN SERIES

Axial Type 卧式适用于极性反转回路及须急遽印加逆向电压之回路  
 Axial Non-Polarized Standard for reversing polarity circuit  
 Test frequency at 120Hz for D.F & Capacitance.

### SPECIFICATION:

ITEM	Performance Characteristics										
Rated Voltage(vdc) 定格电压范围	6.3v ~ 200v DC										
Operating Temperature range 使用温度范围	-40°C ~ + 85°C										
Capacitance Tolerance 电容量容许差	±20%(M) at 120 Hz ,20°C										
Leakage Current 漏泄电流	I=0.03CV or 4uA, whichever is greater after 3 minutes application of rated voltage I=Leakage C=Rated capacitance V=Working voltage										
Dissipation Factor tan δ (120 Hz, 20°C) 损失角之正接	Rated Voltage	6.3	10	16	25	35	50	63	100	160	200
	DF(tan δ)	0.28	0.24	0.22	0.20	0.18	0.16	0.14	0.13	0.13	0.15
Temperature Characteristics 低温稳定特性	Stability at Low Temperature										
	Rated Voltage	6.3	10	16	25	35	50	63-100	160-200		
	Z(-25°C)/Z(20°C)	4	3	2	2	2	2	2	2	2	2
	Z(-40°C)/Z(20°C)	10	8	6	5	4	4	4	3	4	
Load Life 高温负载寿命	After 1,000 hours application of rated voltage at 85°C ,reversing polarity at 250 hours, capacitors meet the characteristics requirements mentioned below										
	Capacitance Change	≤ ±25% of initial value									
	D.F.(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	≤ ±25% of initial value									
	D.F.(tan δ)	≤ 200% of the initial specified value									
	Leakage Current	≤ 200% of the initial specified value									

### Dimension (mm)



φ D	5 ~ 13	16 ~ 18
φ d	0.6	0.8
α	1.5	

# RICHEY ALUMINUM ELECTROLYTIC CAPACITORS

# MDIN series

Standard Products Table 寸法表 DxL(mm)

WV	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
0.1											6.3x13	5	6.3x13	5	6.3x13	5
0.22											6.3x13	7	6.3x13	8	6.3x13	8
0.33											6.3x13	9	6.3x13	10	6.3x13	10
0.47											6.3x13	10	6.3x13	12	6.3x13	12
1											6.3x13	15	6.3x13	18	6.3x13	18
2.2											6.3x13	20	6.3x13	25	6.3x13	25
3.3	▼φ DxL: Case size (mm)										6.3x13	25	6.3x13	30	6.3x13	35
4.7	▼mA: Rated Ripple current (mA rms) at 85°C 120Hz										6.3x13	30	6.3x13	40	6.3x13	40
10									6.3x13	45	6.3x13	50	8x13	55	8x16	65
22					6.3x13	60	6.3x13	65	6.3x13	70	8x13	85	8x16	95	10x21	120
33			6.3x13	70	6.3x13	80	8x13	85	8x16	100	10x17	105	10x17	135	10x21	150
47			6.3x13	85	8x13	95	8x13	110	8x16	120	10x17	150	10x21	170	13x21	200
100	6.3x13	115	8x13	145	8x16	155	10x17	190	10x21	205	10x21	230	13x21	265	16x26	315
220	8x16	195	8x16	250	10x17	265	10x21	295	13x21	335	13x26	380	16x21	440	16x36	500
330	8x16	235	10x17	310	10x21	340	13x21	385	13x26	430	16x26	500	16x31	565		
470	10x17	330	10x21	385	13x21	435	13x26	480	16x26	550	16x31	615	18x41	790		
1000	13x21	505	13x21	600	13x21	660	16x26	780	16x36	855	18x41	1050				
2200	13x26	835	16x26	1000	16x31	1120	18x41	1350								

WV	160v		200v	
	DxL	mA	DxL	mA
1	6x16	25		
1.5	6x16	30	8x16	25
2.2	8x16	35		
3.3	8x20	40		
4	10x21	110		
4.7	10x21	110	10x21	100
5.6	10x26	115		
6.8	10x26	140		
10	10x26	150		
15	13x26	195		
20	13x31	225		
22	13x36	225		
33	13x41	240		
47	16x41	275		
68	16x51	290		