



Miniature Aluminum Electrolytic Capacitors



FEATURES

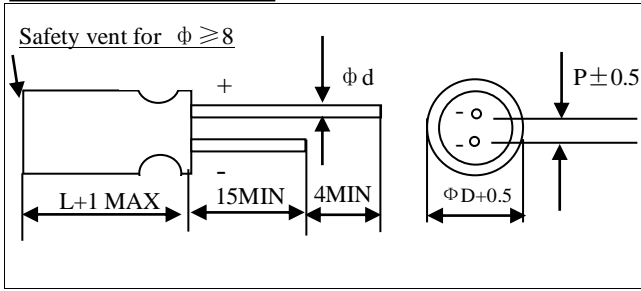
- 1、Rated Working Voltage Range 6.3 to 50VDC Operation Temperature Range -40 to +105°C
- 2、This series is for communication equipments ,switching power supply ,industrial measuring instruments, automotive electric products ,etc.

SPECIFICATIONS

Item	Performance Characteristics																																				
Operating Temperature Range	-40 to +105°C																																				
Rated Working voltage Range	6.3 to 50V																																				
Nominal Capacitance Range	0.1 to 560(uF)																																				
Capacitance Tolerance	±20% (120Hz, +20°C)																																				
Leakage Current	I ≤ 0.01CV or 3(uA) after 2 minutes application of rated working voltage at +20°C																																				
Dissipation Factor tan δ (120Hz+20°C)	<table border="1"> <thead> <tr> <th>Working voltage(V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>tan δ (max.)</td> <td>0.24</td> <td>0.21</td> <td>0.18</td> <td>0.15</td> <td>0.12</td> <td>0.10</td> </tr> </tbody> </table>							Working voltage(V)	6.3	10	16	25	35	50	tan δ (max.)	0.24	0.21	0.18	0.15	0.12	0.10																
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High temperature Loading	Test conditions Duration : 2000 hours Ambient temperature : +105°C Applied voltage : Rated DC working voltage Post test requirements at +20°C Leakage current : ≤ Initial specified value Capacitance change : ≤ ±20% of initial measured value tan δ : ≤ 200% of initial specified value																																				
Shelf life	Test conditions Duration : 1000 hours Ambient temperature : +105°C Applied voltage : (None) Post test requirements at +20°C Same limits for high temperature loading																																				
Others	JIS C-5141 JIS C-5102																																				

CASE SIZE TABLE

Unit:mm



Dφ	4	5	6.3	8
P	1.5	2.0	2.5	3.5
dφ (±0.05)	0.45	0.45	0.45	0.5

DIMENSIONS

ΦD×L(mm)

WV(SV)		6.3V(8)		10V(13)		16V(20)	
Cap.(uF)	Code	0J		1A		1C	
10	106					4×7	29
22	226	4×7	34	4×7	38	4×7	44
33	336	4×7	42	4×7	47	5×7	57
47	476	4×7	50	4×7	59	5×7	62
100	107	5×7	75	5×7	70	(5)6.3×7	(75)100
220	227	6.3×7(9)	125(135)	6.3×7(9)	135(147)	(6.3)8×7	(140)150
330	337	8×7(9)	145(148)	8×7(9)	152(162)	8×7(9)	160(172)
470	477	8×7(9)	158(162)	8×7(9)	165(172)	8×7(9)	175(185)
560	567	8×9	172			Case Size	Allowable ripple

Allowable Ripple (mA rms)at105 °C

120Hz

ΦD×L(mm)

WV(SV)		25V(32)		35V(44)		50V(63)	
Cap.(uF)	Code	1E		1V		1H	
0.1	104					4×7	1.0
0.22	224					4×7	2.3
0.33	334					4×7	3.5
0.47	474					4×7	5.0
1	105					4×7	10
2.2	225					4×7	19
3.3	335					4×7	24
4.7	475			4×7	24	4×7	29
10	106	4×7	30	5×7	36	(5)6.3×7	(41)44
22	226	5×7	48	6.3×7	57	6.3×7	60
33	336	(5)6.3×7	(60)63	6.3×7	70	8×7	73
47	476	(5)6.3×7	(66)72	6.3×7	80	8×7	85
100	107	6.3×7	80	8×7	90		
220	227	8×7	92			Case Size	Allowable ripple

Allowable Ripple (mA rms)at105°C 120Hz