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elektronikai alkatrész áruház

EN: This Datasheet is presented by the manufacturer.

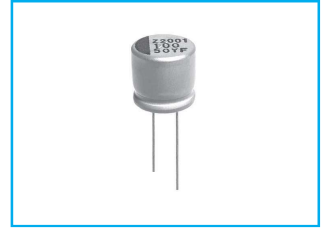
Please visit our website for pricing and availability at www.hestore.hu.

CONDUCTIVE POLYMER HYBRID ALUMINUM ELECTROLYTIC CAPACITORS



Upgrade
YF

Lead type, Ultra High Temperature Series



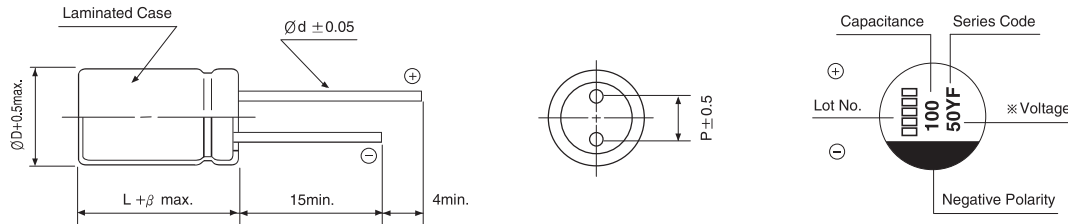
- High temperature range, for 150°C use
- Complied to the RoHS directive
- AEC-Q200 compliant : Please contact us for more details.

HYBRID TYPES

Item	Characteristics										
Operating temperature range	-55 ~ +150°C										
Leakage current max.	I = 0.01CV or 3μA whichever is greater (after 2 minutes)										
Capacitance tolerance	±20% at 120Hz, 20°C										
Dissipation factor max. (at 120Hz, 20°C)	<table border="1"> <tr> <td>WV</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <tr> <td>tanδ</td> <td>0.14</td> <td>0.12</td> <td>0.1</td> <td>0.08</td> </tr> </table>	WV	25	35	50	63	tanδ	0.14	0.12	0.1	0.08
WV	25	35	50	63							
tanδ	0.14	0.12	0.1	0.08							
Low temperature characteristics (Impedance ratio at 100kHz)	$Z (-25^{\circ}\text{C}) / Z (+20^{\circ}\text{C}) \leq 1.5$ $Z (-55^{\circ}\text{C}) / Z (+20^{\circ}\text{C}) \leq 2.0$										
Load life	<p>After an application of DC bias voltage plus the rated AC ripple current for 1000 hours at 150°C. The measurement shall meet the following limits. The DC voltage plus the peak AC voltage combined must not exceed the rated voltage.</p> <table border="1"> <tr> <td>Capacitance change</td> <td>Within ±30% of initial value</td> </tr> <tr> <td>tanδ</td> <td>Less than 200% of the specified value</td> </tr> <tr> <td>ESR</td> <td>Less than 200% of the specified value</td> </tr> <tr> <td>Leakage current</td> <td>Less than specified value</td> </tr> </table>	Capacitance change	Within ±30% of initial value	tanδ	Less than 200% of the specified value	ESR	Less than 200% of the specified value	Leakage current	Less than specified value		
Capacitance change	Within ±30% of initial value										
tanδ	Less than 200% of the specified value										
ESR	Less than 200% of the specified value										
Leakage current	Less than specified value										
Shelf life (at 150°C)	After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value. The measurement shall be performed at 20°C by the KS C IEC 60384 - 4										

● DRAWING

Unit : mm



Size	øD	L	P	ød	β
6.3×7.5	6.3	7.5	2.5	0.45	1.5
8×9.5	8	9.5	3.5	0.60	1.5
10×9.5	10.0	9.5	5.0	0.60	1.5
10×12	10.0	12.0	5.0	0.60	1.5

● PACKING & TAPING (See page 82~84)

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \ WV	25		35		50		63				
15							6.3×7.5	80	410		
22					6.3×7.5	80	410				
33							8×9.5	40	610		
47			6.3×7.5	60	510						
56						8×9.5	35	660	10×9.5	30	710
68	6.3×7.5	45	540					10×12	22	810	
100				8×9.5	30	710	10×9.5	28	780		
120							10×12	19	890		
150	8×9.5	27	740	10×9.5	23	830					
220				10×12	17	950					
270	10×9.5	22	850								
330	10×12	16	970								

↑ Ripple current (mA rms) at 150°C, 100kHz
 ↑ ESR (mΩ) at 20°C, 100kHz
 ↑ Case size øD×L(mm)

● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

Frequency	120Hz	1kHz	10kHz	100kHz
Coefficient	0.05	0.30	0.70	1.00