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Lead type, Ultra High Temperature Series

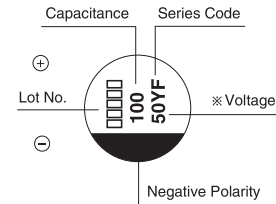
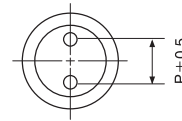
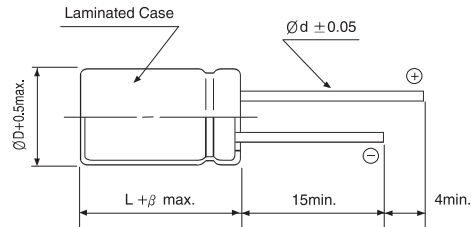


- High temperature range, for 150°C use
- Complied to the RoHS directive
- AEC-Q200 compliant : Please contact us for more details.

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)	WV	25	35	50	63
	tanδ	0.14	0.12	0.1	0.08
Low temperature characteristics (Impedance ratio at 100kHz)	Z (-25°C) / Z (+20°C) ≤ 1.5 Z (-55°C) / Z (+20°C) ≤ 2.0				
Load life	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.				
	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