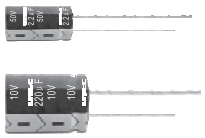
LM Low Leakage Current, Height 7mm Series



- Low leakage current series with height 7mm
- Load life of 1000 hours at 105℃

• SPECIFICATIONS

Item	Characteristics
Operating Temperature Range	−40~+105℃
Rated Working Voltage Range	6.3~63V.DC
Capacitance tolerance	±20%(M)at 120Hz.25℃
Leakage Current (max.)	I=0.002CV or 0.4 μA whichever is greater after 2 minutes. I: Leakage Current (μA) C: Nominal Capacitance (μ F) V: Rated Working Voltage(V)

Dissipation Factor (tan δ) (at 120Hz, 25℃) (max.)

WV	6.3	10	16	25	35	50	63
tan δ	0.24	0.20	0.16	0.14	0.12	0.10	0.09

Low Temperature Stability (Impedance ratio at 120Hz)

WV	6.3	10	16~25	35~63
Z(−25℃)/Z(+25℃)	4	3	2	2
Z(−40℃)/Z(+25℃)	8	6	4	3

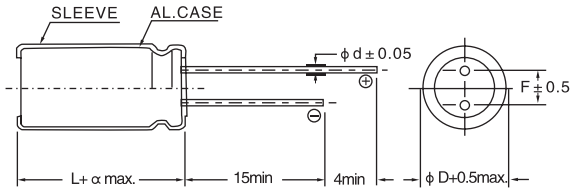
Load Life

After 1000 hours application of W.V. at 105℃, the capacitor shall meet the following limits.

Capacitance Change	≤ ±20% of the initial specified value.
Dissipation Factor	≤200% of the initial specified value.
Leakage Current	≤ the initial specified value.

Shelf Life(at 105℃)	After 500 hours no load test, leakage current capacitance and tan δ are same as load life value
Reference Standard	JISC−5141

• DRAWING(Unit:mm)



φD	4	5	6.3
F	1.5	2.0	2.5
φd	0.45	0.5	0.5
α	1.0	1.0	1.0

• DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV / Cap.(μF)	63		10		16		25		35		50		63	
	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.	SIZE	R.C.
0.1											4×7	4.4	4×7	4.4
0.22											4×7	6.6	4×7	6.6
0.33											4×7	8.0	4×7	8.0
0.47											4×7	9.6	4×7	9.6
0.68											4×7	12	4×7	12
1.0											4×7	14	4×7	14
2.2											4×7	21	4×7	21
3.3											4×7	25	4×7	25
4.7									4×7	28	4×7	30	5×7	38
6.8							4×7	31	4×7	38	5×7	42		
10							4×7	40	4×7	42	5×7	50		
22	4×7	43	4×7	53	4×7	35	5×7	69	5×7	76				
33	4×7	53	4×7	60	4×7	56	5×7	91						
47	4×7	60	5×7	85	4×7	72								
68	5×7	82	5×7	109	5×7	90								
100	6.3×7	100												

Ripple current (m A rms) at 105℃,120Hz
Case size φD×L(mm)