RADIAL TYPE

MZ Series

TF ⇐ ⇒ TB

JAMICON®

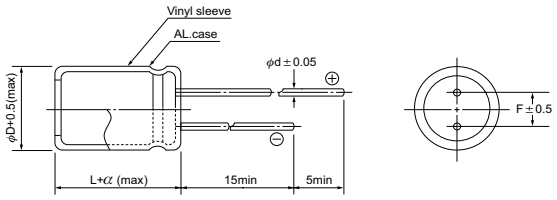
- Has a high ripple current, low IMP & low ESR and long life characteristics.
- Suitable for output of M/B and switching power supplies.

SPECIFICATION

Item	Characteristic				
Operation Temperature Range	-40 ~ +105°C				
Rated Working Voltage	6.3 ~ 25VDC				
Capacitance Tolerance (120Hz 20°C)	±20%(M)				
Leakage Current (20°C)	I ≦0.03CV or 3 (μA) *Whichever is greater after 2 minutes I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V)				
Surge Voltage (20°C)	W.V.	6.3	10	16	25
	S.V.	8	13	20	32
Dissipation Factor (tan δ) (120Hz 20°C)	Add 0.02 per 1000 μF for more than 1000 μF				
	W.V.	6.3	10	16	25
	tan δ	0.22	0.19	0.16	0.16
Low Temperature Stability	Impedance ratio at 120Hz				
	Rated Voltage (V)	6.3	10	16	25
	-25°C / +20°C	2	2	2	2
	-40°C / +20°C	3	3	3	3
Load Life	After 2000 hours application of W.V. at +105°C, the capacitor shall meet the following limits.				
	Capacitance Change	≦±25% of initial value			
	Dissipation Factor	≦200% of initial specified value			
	Leakage current	≦initial specified value			
Shelf Life	At +105°C no voltage application after 1000 hours, the capacitor shall meet the limits for load life characteristics. (with voltage treatment)				

DIMENSIONS (mm)

φD	8	10	12.5
F	3.5	5.0	5.0
d	0.6	0.6	0.6
α	1.5	1.5	1.5



RIPPLE CURRENT COEFFICIENTS

Temperature(°C)	≦65	85	105
Multiplier	2.1	1.7	1.0

Frequency(Hz)	120	1k	10k	≧100k
Multiplier	0.50	0.80	0.90	1.00

CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)
Max E.S.R. : Ω 20°C 100kHz
Max ripple current : mA(rms) 105°C 100kHz

μF \ V(Code) / Item / Code		6.3 (0J)			10 (1A)		
		DxL	E.S.R.	R.C.	DxL	E.S.R.	R.C.
680	681				8x14	0.036	1200
820	821	8x11.5	0.036	1160			
1000	102	8x16	0.028	1490	8x16	0.028	1540
					10x12.5	0.028	1570
1200	122	8x16	0.028	1630			
1500	152	8x20	0.018	1940	8x20	0.019	1990
		10x12.5	0.020	1640	10x16	0.019	2040
1800	182	10x16	0.018	1990	10x20	0.013	2470
2200	222	10x20	0.015	2350	10x23	0.012	2780
3300	332	10x23	0.012	2890			
3900	392	10x26	0.012	3230			
4700	472	12.5x26	0.014	3810			

μF \ V(Code) / Item / Code		16 (1C)			25 (1E)		
		DxL	E.S.R.	R.C.	DxL	E.S.R.	R.C.
470	471	8x11.5	0.036	1100	10x16	0.019	2030
680	681	8x16	0.028	1530			
		10x12.5	0.028	1530			
1000	102	8x20	0.019	2050			
		10x16	0.019	2060			
1500	152	10x20	0.013	2640			
1800	182	10x23	0.012	3080			