105°C Super Low ESR.

# **♦FEATURES**

- Super Low ESR for VRM.
- Enabled high ripple current by a reduction of ESR at high frequency range.



## **♦ SPECIFICATIONS**

Items	Characteristics		
Category Temperature Range	-40~+105°C		
Rated Voltage Range	6.3~16V.DC		
Capacitance Tolerance	±20%(20°C,120Hz)		
Leakage Current(MAX)	I=0.03CV (After 3 minutes application of rated voltage) I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)		
Dissipation Factor(MAX)	Rated Voltage (V) 6.3 10 16 (20°C,120Hz)  tanδ 0.22 0.19 0.16  When rated capacitance is over 1000μF, tanδ shall be added 0.02 to the listed value with increase of every 1000μF.		
Endurance	After applying rated voltage with rated ripple current for 2000hrs at 105°C, the capacitors shall meet the following requirements.  Capacitance Change Within ±25% of the initial value.  Dissipation Factor Not more than 200% of the specified value.  Leakage Current Not more than the specified value.		
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (V) 6.3 10 16 (120Hz)  Z(-25°C)/Z(20°C) 2 2 2 2 Z(-40°C)/Z(20°C) 3 3 3 3		

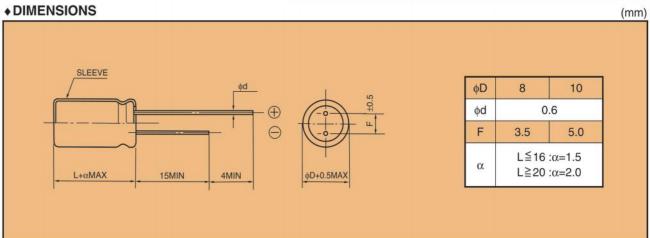
## **♦ MULTIPLIER FOR RIPPLE CURRENT**

Frequency coefficient

Frequency (Hz)	120	1k	10k	100k≦
Coefficient	0.50	0.80	0.90	1.00

### **◆ PART NUMBER**

Poted Voltage	Sorios	Pated Canacitance	Canacitance Tolorance	Ontion	Lond Forming	Caco Sizo	
	MCZ					DxL	
VI AIII IIO	IVIDEIL						



MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

## **♦ STANDARD SIZE**

(C-CON)

Rated voltage 6.3V(0J)			
Rated capacitance (µF)	Size φDxL (mm)	Rated ripple current (mA r.m.s./105°C, 100kHz)	ESR (mΩMAX/20°C, 100kHz)
820	8X11.5	1340	21
1200	8X16	1850	18
1800	8X20	2350	12
1500	10X12.5	1960	16
1800	10X16	2460	12.5
2200	10X20	2770	11
3300	10X25	3230	9

Rated voltage 10V(1A)				
Rated capacitance (μF)	Size	Rated ripple current (mA r.m.s./105°C, 100kHz)	ESR (mΩMAX/20°C, 100kHz)	
680	8X11.5	1340	21	
1000	8X16	1850	18	
1500	8X20	2350	12	
1000	10X12.5	1960	16	
1500	10X16	2460	12.5	
1800	10X20	2770	11	
2200	10X25	3230	9	

Rated voltage 16V(1C)				
Rated capacitance (μF)	Size	Rated ripple current (mA r.m.s./105°C, 100kHz)	ESR (mΩMAX/20°C, 100kHz)	
470	8X11.5	1340	21	
680	8X16	1850	18	
1000	8X20	2350	12	
680	10X12.5	1960	16	
1000	10X16	2460	12.5	
1500	10X20	2770	11	
1800	10X25	3230	9	