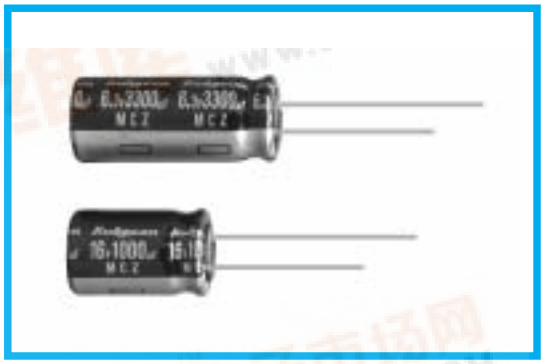
查询"6.3MCZ1800M10X16"供应商

MCZ SERIES

105℃ Ultra Low ESR.



◆FEATURES

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

◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	−40～+105℃
Rated Voltage Range	6.3～16V.DC
Capacitance Tolerance	±20%（20℃，120Hz）
Leakage Current(MAX)	I=0.03CV (After 2 minutes application of rated voltage) I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)
Dissipation Factor(MAX) (tan δ)	（20℃，120Hz） Rated Voltage (V): 6.3 / 10 / 16 tan δ: 0.22 / 0.19 / 0.16 When rated capacitance is over 1000μF, tan δ 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℃, 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)	（120Hz） Rated Voltage (V): 6.3 / 10 / 16 Z(−25℃)/Z(20℃): 2 / 2 / 2 Z(−40℃)/Z(20℃): 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

□□□	MCZ	□□□□□	□	□□□	□□	D×L
Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

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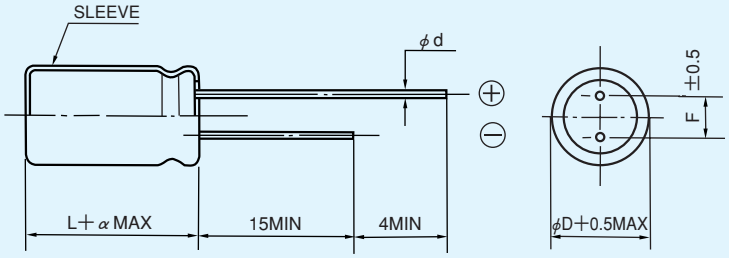
◆DIMENSIONS

(mm)



φD	8	10
φd	0.6	
F	3.5	5.0
α	L≦16 : α=1.5 L≧20 : α=2.0	

◆STANDARD SIZE

Rated voltage 6.3V(0J)			
Rated capacitance (μF)	Size φD×L (mm)	Rated ripple current (mA r.m.s./105℃, 100kHz)	ESR (mΩMAX/20℃, 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 φD×L (mm)	Rated ripple current (mA r.m.s./105℃, 100kHz)	ESR (mΩMAX/20℃, 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 φD×L (mm)	Rated ripple current (mA r.m.s./105℃, 100kHz)	ESR (mΩMAX/20℃, 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