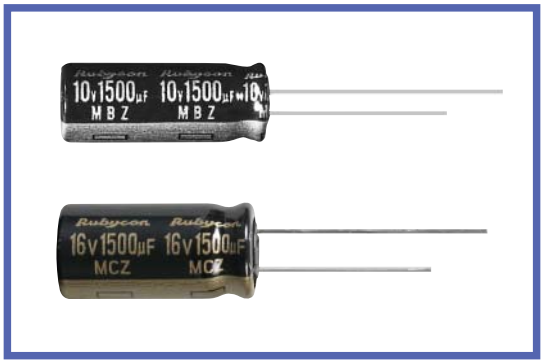
MBZ SERIES MCZ SERIES

105°C Ultra Low ESR,for PC mather board.



◆ 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°C
Rated Voltage Range	6.3~16V.DC
Capacitance Tolerance	± 20%(20°C,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) (tanδ)	Rated Voltage (V): 6.3 / 10 / 16 tanδ: 0.22 / 0.19 / 0.16 (20°C,120Hz) 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 Z(−25°C)/Z(20°C): 2 / 2 / 2 (120Hz)

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

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

◆PART NUMBER

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

*Please contact our local sales office for further details, such as case size composition.