Green-Cap(EDLC)
How to calculate characteristic(Module)

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Green-Cap(EDLC) How to calculate characteristic(Module)

- Serial and/or parallel connection of Green-Caps
- Also called module or pack or bank

■ Serial Connection :

Total Voltage = Voltage of each cell X n

Total Capacitance = Capacitance of each cell / n

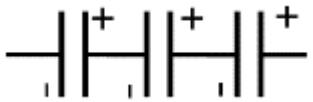
Total Resistance = Resistance of each cell X n

Ex.) 2.7V 100F, 9mΩ 10pcs in Serial

Total Voltage = Voltage of each cell(2.7V) X n(10) = 27V

Total Capacitance = Capacitance of each cell(100F) / n(10) = 10F

Total Resistance = Resistance of each cell(9mΩ) X n(10) = 90mΩ



■ Parallel Connection :

Total Voltage = Voltage of each cell

Total Capacitance = Capacitance of each cell X n

Total Resistance = Resistance of each cell / n

예) 2.7V 100F, 9mΩ 10pcs in Parallel

Total Voltage = Voltage of each cell(2.7V) = 2.7V

Total Capacitance = Capacitance of each cell(100F) X n(10) = 1000F

Total Resistance = Resistance of each cell(9mΩ) / n(10) = 0.9mΩ