

Micro Battery

MS Lithium Rechargeable Battery

[MS421R \(Reflowable\)](#)
[MS621R \(Reflowable\)](#)
[MS414GE](#)
[MS412FE](#)
[MS518SE](#)
[MS614SE](#)
[MS621FE](#)
[MS920SE](#)
[MS621T \(Wide temperature range\)](#)
[MS920T \(Wide temperature range\)](#)

TS Lithium Rechargeable Battery

[TS621E](#)
[TS920E](#)

ML Lithium Rechargeable Battery

[ML414H](#)

Chip type Electric Double Layer Capacitor

[CPH3225A](#)
[CPX3225A752D](#)
[CPM3225A](#)

Silver Oxide Battery

[SEIZAIKEN](#)
[Cross reference chart](#)
[SEIZAIKEN's new usage except watches](#)
[Silver Oxide Battery Expiration Guide](#)
[For Your Safety](#)

Micro battery's new challenge for medical devices

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MS Lithium Rechargeable Battery MS412FE

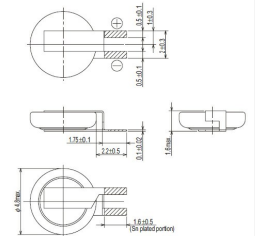
SPECIFICATIONS

Type	MS412FE
Nominal Voltage(V)	3
Charge Voltage (Standard Charge Voltage)(V)	2.8 to 3.3(3.1)
Nominal Capacity(mAh)	1.0
Internal Impedance(Ω)	100
Standard Discharge Current(mA)	0.010
Maximum Discharge Current (Continuous)(mA)	0.10
Cycle Life (Time)100% D.O.D(Depth of Discharge)	100
Cycle Life (Time)20% D.O.D(Depth of Discharge)	1000
Size Diameter(mm)	4.8
Size Height(mm)	1.2
Weight(g)	0.07



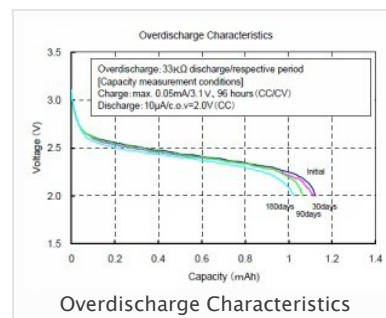
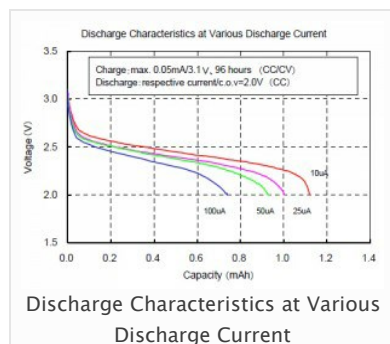
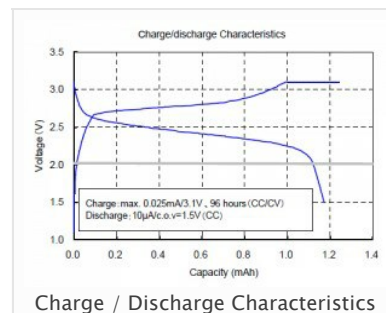
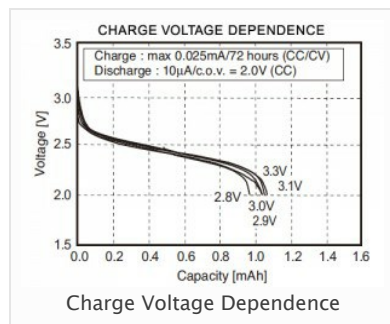
MS412FE FL26E

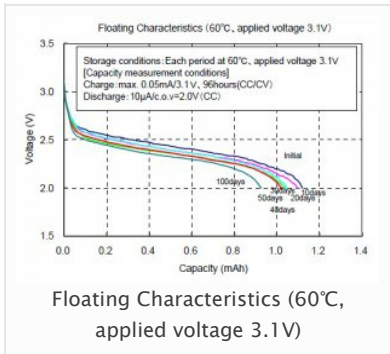
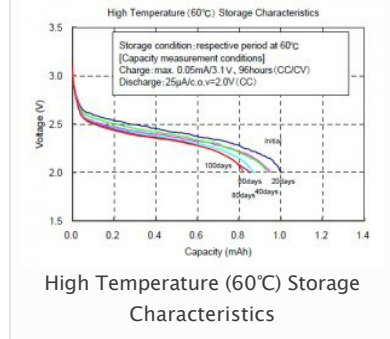
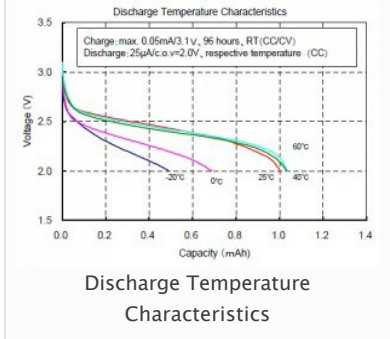
Terminals


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MS412FE is not reflowable. Please mount them on PCB by hand soldering.

CHARACTERISTICS

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