

Battery Charge Management Controller Li-Ion/Li-Pol 6-Pin TDFN EP T/R

Manufacturers [Microchip Technology, Inc](#)

Package/Case TDFN-6

Product Type Power Management ICs

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for MCP73830T-2AAI/MYY or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The MCP73830 and MCP73830L are highly integrated, Li-Ion battery charge management controllers for use in spacelimited applications. The MCP73830/L devices provide specific charge algorithms for single-cell Li-Ion/Li-Polymer batteries to achieve optimal capacity and safety in the shortest charging time possible. Along with its small physical size, the low number of external components makes the MCP73830/L ideally suitable for portable applications.

Features

Complete Linear Charge Management Controller

High Accuracy Preset Voltage Regulation: 0.75%

Programmable Charge Current: 100 mA – 1000 mA

Soft-start to avoid inrush current

Preconditioning: 10% and No Preconditioning Option

Fixed Preconditioning Timer: 1 Hour

Fixed Elapse Timer: 0 Hour or 4 Hours

Automatic Recharge

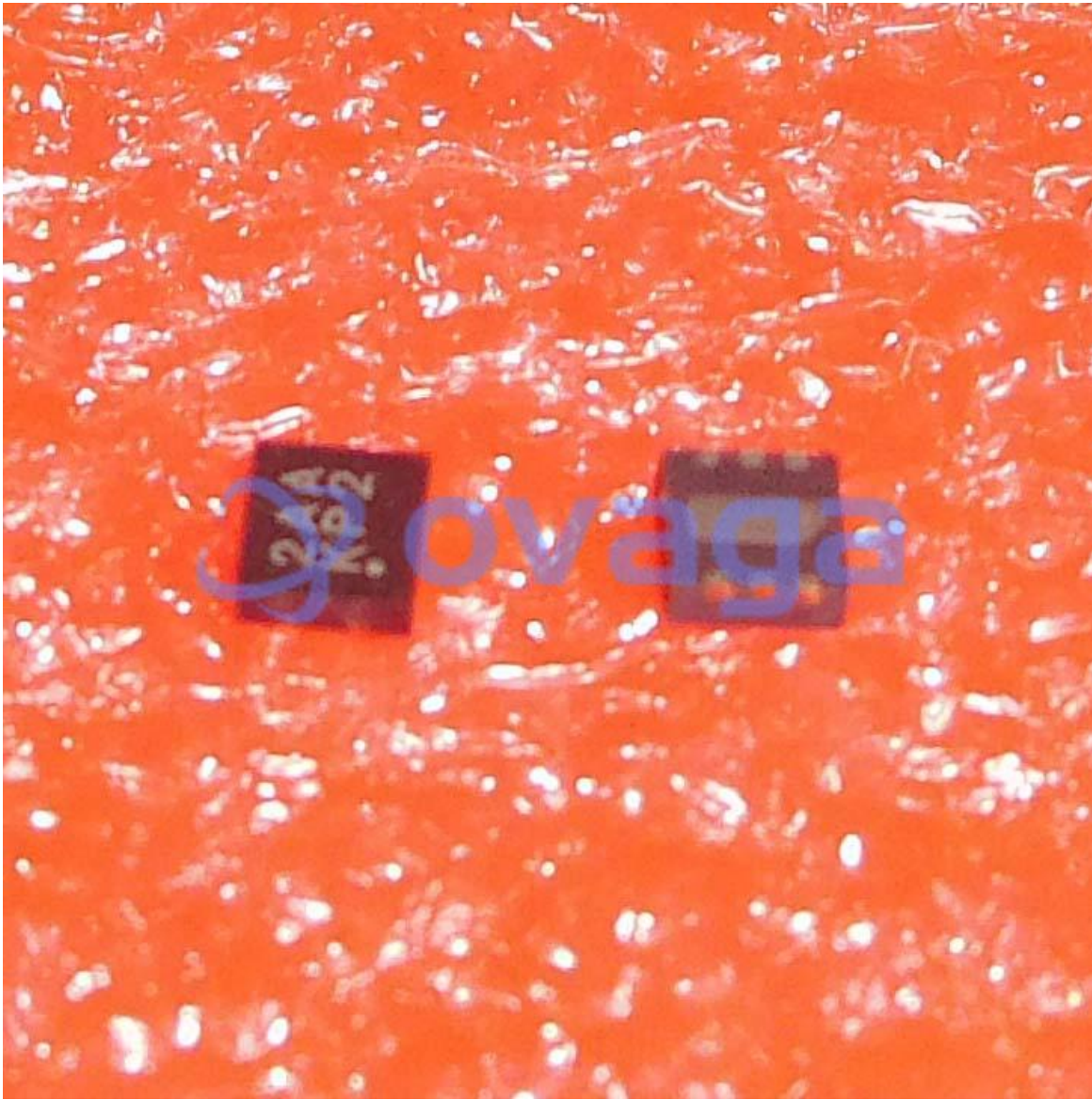
Automatic End-of-Charge Control Termination: 7.5% and 10%

Under Voltage Lockout (UVLO)

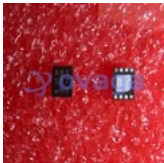
Chip/Charge Enable Pin (/CE)

Packaging: TDFN-6 (2x2x0.75 mm)





Related Products



[MCP1725-3302E/MC](#)

Microchip Technology, Inc
DFN-8



[MCP1702T-2502E/CB](#)

Microchip Technology, Inc
SOT-23A-3



[MCP1702T-5002E/CB](#)

Microchip Technology, Inc
SOT-23



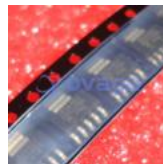
[MCP1700T-2502E/TT](#)

Microchip Technology, Inc
SOT-23-3



[MCP1700T-3002E/TT](#)

Microchip Technology, Inc
SOT-23-3



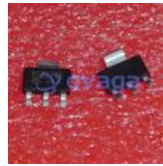
[MCP1826T-ADJE/DC](#)

Microchip Technology, Inc
SOT-223-5



[MCP1703T-5002E/CB](#)

Microchip Technology, Inc
SOT-23A-3



[MCP1703-5002E/DB](#)

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SOT-223-3