MBMI7318TANAE

ACTIVE

Overview Operating Features Environmental Quality Shipping
BUY OPTIONS



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Features

18 Cells Analog Front End IC with TPL Interface for Energy Storage System - Tray

All information for BMA7318-BMI7318-BMA7518 >

Package

HLQFP64: HLQFP64, plastic, thermal enhanced low profile quad flat package; 64 terminals; 0.5 mm pitch; 10 mm x 10 mm x 1.4 mm body; 4.9 mm x 4.9 mm exposed pad

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Buy Options

MBMI7318TANAE ACTIVE
12NC: 935465816557

Details
- **Packing:** TRAY-Tray, Bakeable, Multiple in Drypack
- **Min. Package Quantity:** 160
- **Min. Order Quantity:** 160
- **Lead Time:** 39 weeks
- **Budgetary Price:** 1K at $3.30 USD

Order
- **In Stock:** 3,785
Normally ships in 1-2 business days.

Order from distributors

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MBMI7318TANAER2 ACTIVE
12NC: 935465816528

Details
- **Packing:** REEL-Reel 13" Q2/T3 in Drypack
- **Min. Package Quantity:** 1500
- **Min. Order Quantity:** 1500
- **Lead Time:** 39 weeks
- **Budgetary Price:** 1K at $3.30 USD

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SAMPLE SIMILAR PRODUCT

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Operating Features

Parameter	Value
Cell Voltage Measurement Channel	4 to 18
Cell OV/UV	Yes
Cell Balancing	Yes
Coulomb Count	no
Isolated Daisy Chain Communication (TPL)	Yes

Parameter	Value
Precision GPIO	Yes
SPI Communication	No
Ambient Operating Temperature (Min to Max) (°C)	-40 to 95
Electrochemical Impedance Spectroscopy (EIS)	no

Environmental

Part/12NC	PbFree	EU RoHS	Halogen Free	RHF Indicator	REACH SVHC	Weight (mg)
MBMI7318TANAE(935465816557)	Yes	Yes Certificate Of Analysis (CoA)	Yes	D	REACH SVHC	363.6
MBMI7318TANAER2(935465816528)	Yes	Yes Certificate Of Analysis (CoA)	Yes	D	REACH SVHC	363.6

Quality

Part/12NC	Safe Assure Functional Safety	Moisture Sensitivity Level (MSL)	Peak Package Body Temperature (PPT) (C°)	Maximum Time at Peak Temperatures (s)
		Lead Free Soldering	Lead Free Soldering	Lead Free Soldering
MBMI7318TANAE (935465816557)	IEC 61508	3	260	40 sec.
MBMI7318TANAER2 (935465816528)	IEC 61508	3	260	40 sec.

Shipping

Part/12NC	Harmonized Tariff (US)Disclaimer
MBMI7318TANAE (935465816557)	854239
MBMI7318TANAER2 (935465816528)	854239

More about BMA7318-BMI7318-BMA7518

The BMA7318, BMI7318, BMA7518 is a Li-ion battery cell controller IC designed specifically for automotive HVBMS, industrial ESS, and 48 V applications. It can monitor up to 18 battery cells and 12 temperatures. The BMA7318, BMI7318, BMA7518 features configurable averaging of cell voltage measurements through digital filtering, onboard balancing up to 300 mA, and integrated current measurement, this device supports ISO 26262, up to ASIL C safety capability and high integrity safety levels up to industrial SIL 2.

The BMA7318, BMI7318, BMA7518 also includes an integrated communication bridge (SPI2TPL) with robust isolated 2.0 Mbit/s communication. The BMA7318, BMI7318, BMA7518 is designed to provide up to 25 years of ESS application

More

All information for BMA7318-BMI7318-BMA7518 >

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