

BMS Pulse Transformer CBM5D33



Features

- SMD type / Low profile
- High withstand voltage: 3750Vrms@1sec
- Toroidal product (Suitable to use between Slave and Slave)
- Operating temperature: -40°C ~ +105°C
- AEC-Q200 / RoHS compliant
- * Available outside of Japan market

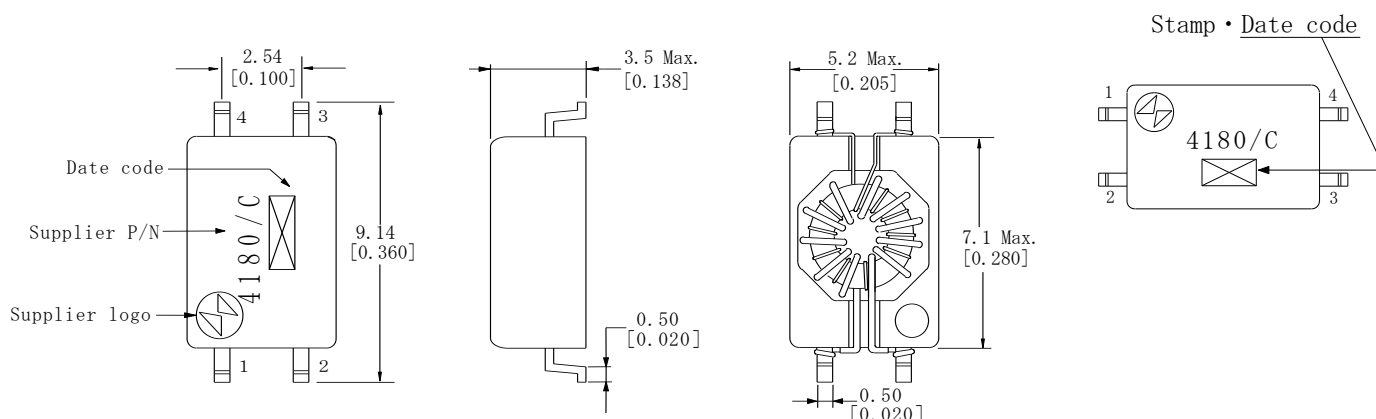


Application

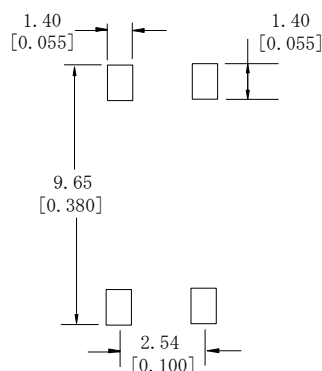
- Battery management system for new energy vehicles (EV, PHEV, HEV etc.)
- Battery management for industrial storage batteries

Dimension - [mm] [inch]

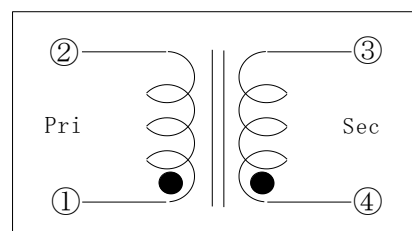
- Size (L x W x H): 9.14 x 7.1 x 3.5 mm (Max)
- Number of terminals: 2/2 (Primary/Secondary)



Recommended Land Pattern - mm [inch]



Terminal connection (Bottom)



“●” indicate electric polarity

Turn ratio (1-2):(4-3): 1:1

Note: This specification is subject to change without notice. Please contact your nearest sales office for updated information when placing an order.

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Specifications

Part No.	Inductance (1-2)	D.C.R. (per line)	Withstand voltage (1-2):(4-3)
ESMIT-4180/C	125 μ H Min	0.25 Ω Max	3750Vrms
Measurement conditions	100kHz, 0.01V	(1-2) or (4-3)	0.5mA, 1sec

- The working voltage is up to DC 100V

IC reference information

ANALOG DEVICES

- LTC6813-1 : 18-Cell Battery Monitor with Daisy Chain Interface
- LTC6812-1: 15-Cell Battery Stack Monitor with Daisy Chain Interface
- LTC6810-1/LTC6810-2: 6 Channel Multicell Battery Monitor with Daisy Chain Interface, Generation 4
- LTC6806: 36 Channel Fuel Cell Monitor
- LTC2949: Current, Voltage, and Charge Monitor for High Voltage Battery Packs

NXP Semiconductor

- MC33664 : BMS IC / Isolated network high-speed transceiver
- MC33771: Battery Cell Controller and Transformer Physical Layer
- MC33771B: Battery Cell Controller and Transformer Physical Layer

STMicroelectronics

- L9963 : Automotive Multicell battery monitoring and balancing IC

* IC reference information have possibilities to be updated without notice.



For sales office information, please [click here](#) to visit our website.

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