

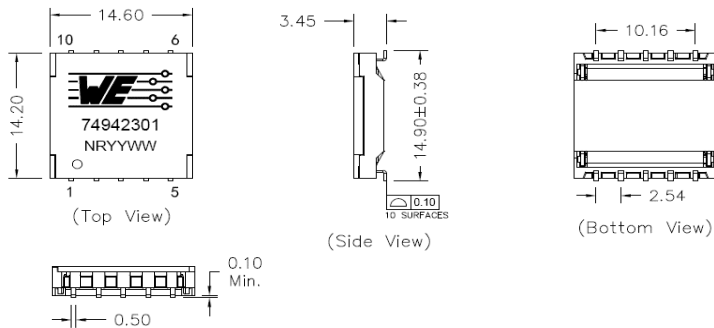
Spezifikation für Freigabe / specification for release

Kunde / customer :
 Artikelnummer / part number : **74942301**
 Bezeichnung : **WE-BMS**
 description : **Transformer for Battery Management Systems**

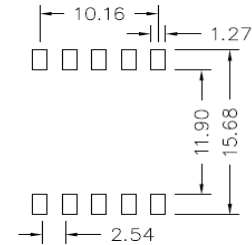


DATUM / DATE : 2020-04-02

A Mechanische Abmessungen / dimensions :



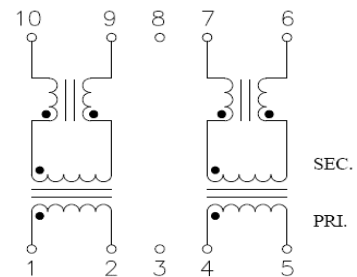
B Lötpad / soldering spec. :



C Elektrische Eigenschaften / electrical properties :

| Eigenschaften / properties | Testbedingungen / test conditions | | Wert / value | Einheit / unit | tol. |
|--------------------------------------|-----------------------------------|------|--------------|----------------|------|
| Induktivität / Inductance | 100kHz / 100mV | OCL | 150 ~ 450 | uH | |
| Übersetzungsverhältnis / Turns ratio | 100kHz / 100mV | TR | 1 : 1 | | 3% |
| Insertion Loss | 4MHz | IL | -0.25 | dB | max. |
| Return Loss | 4MHz @ 100Ω | RL | -20 | dB | min. |
| Common Mode Rejection Ratio | 1MHz-10MHz | CMRR | -35 | dB | min. |
| | 10MHz-1000MHz | | -20 | | |
| Hipot | Pri side to Sec side | | 4300VDC, 60s | VDC | min. |
| Leakage Inductance | 100kHz / 100mV | LL | 0.5 | uH | max. |
| DCR | Pri side | | 0.45 | ohms | max. |
| | Sec Side | | 0.85 | ohms | max. |

D Schaltbild / Schematics :



E Prüfgeräte / test equipment :

Agilent E5071C

F Testbedingungen / test conditions :

Luftfeuchtigkeit / humidity: 33%
 Umgebungstemperatur / temperature: +25°C

G Werkstoffe & Zulassungen / material & approvals :

Basismaterial / base material: Ferrit/ ferrite
 Draht / wire: FIW 6
 Kontaktmaterial/ contact plating: Cu-Ni-Sn
 Gehäuse/ case: Phenolic Black UL94V-0

H Eigenschaften / general specifications :

Operating temperature: -40°C - +125°C
 Creepage distance: 10 mm min.

| | | | | |
|-------------------------------------|---------------------------------|------|-------------------------|--------------|
| Freigabe erteilt / general release: | Kunde / customer | | | |
| | | | | |
| Datum / date | Unterschrift / signature | | | |
| | Würth Elektronik | | | |
| | | | | |
| Geprüft / checked | Kontrolliert / approved | Jlu | Preliminary | 2020-04-02 |
| | | Name | Änderung / modification | Datum / date |

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