

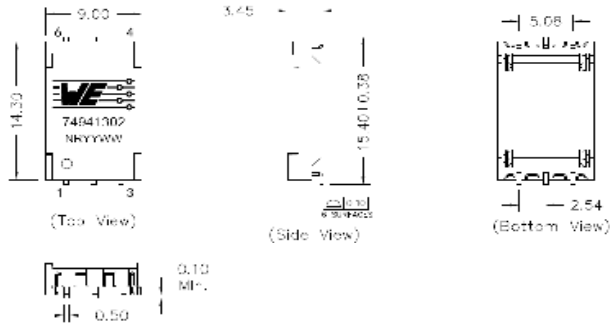
# Spezifikation für Freigabe / specification for release

Kunde / customer :  
 Artikelnummer / part number : **74941302**  
 Bezeichnung : **WE-BMS**  
 description : **Transformer for Battery Management Systems**

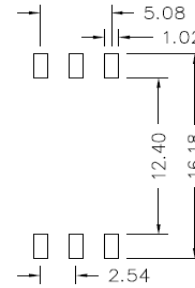


DATUM / DATE : 2020-04-02

## A Mechanische Abmessungen / dimensions :



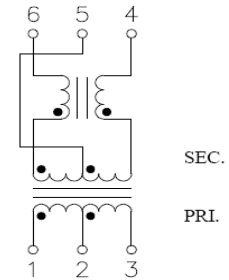
## B Lötpad / soldering spec. :



## 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	P1-3 to P4-6		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  
 According to the IEC 61558 standard, this component provides basic isolation for an OVC III application in a pollution degree 2 and with 1000V working voltage.  
 - Min. 8mm clearance distance,  
 - Min. 10mm creepage distance.

Freigabe erteilt / general release:	<b>Kunde / customer</b>			
Datum / date	<b>Unterschrift / signature</b>			
	<b>Würth Elektronik</b>			
		Jlu	Preliminary	2021-04-13
Geprüft / checked	<b>Kontrolliert / approved</b>	Name	Änderung / modification	Datum / date

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