

Spezifikation für Freigabe / specification for release

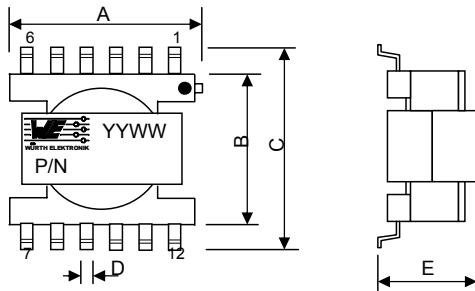
Kunde / customer :
 Artikelnummer / part number : **749196211**
 Bezeichnung : **FLEX-ÜBERTRAGER WE-FLEX**
 description : **FLEX-TRANSFORMER WE-FLEX**

LF



DATUM / DATE : 2006-08-01

A Mechanische Abmessungen / dimensions :



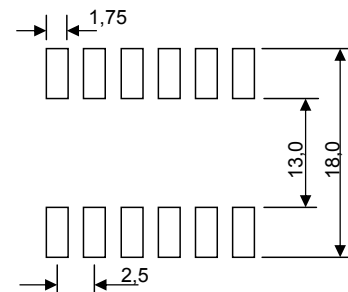
	ER14.5/6	
A	16,3 max	mm
B	12,0 typ.	mm
C	16,8 max	mm
D	0,7 ± 0,1	mm
E	7,4 max	mm

● = Marking Pin 1

B Elektrische Eigenschaften / electrical properties :

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / inductance	10 kHz / 1 V	L _{base}	21,6	μH	±20%
Sättigungsstrom / saturation current	 \ΔL/L < 10%	I _{sat base}	0,36	A	typ.
Nennstrom / rated current	\ΔT=40 K	I _{rms base}	0,95	A	typ.
DC-Widerstand / DC-resistance	@ 20°C	R _{DC base}	159,0	mΩ	max.
Spannungs-Zeit-Fläche / Voltage-μsecond		∫Udt	48,3	μVs	max.
Speicherenergie / storage energy		E _{peak base}	2,11	μJ	typ.
Streuinduktivität / leakage inductance	10 kHz / 1V	L _{s base}	0,17	μH	typ.
Hochspannungstest / Hipot test	3mA / 1sec	HV	500	V _{DC}	

C Lötpad / soldering spec. :



D Prüfgeräte / test equipment :

HP 4274 A für/for L und/and Q
 HP 34401 A für/for I_{DC} und/and R_{DC}

E Testbedingungen / test conditions :

Luftfeuchtigkeit / humidity: 33%
 Umgebungstemperatur / temperature: +20°C

F Werkstoffe & Zulassungen / material & approvals :

Basismaterial / base material: Ferrit / ferrite
 Spulenkörper / Bobbin: UL-V0
 Draht / wire: 2UEW 155°C
 Kontaktmaterial / contact plating: Cu-Ag tinned

G Eigenschaften / general specifications :

Betriebstemp. / operating temperature: -40°C - + 125°C
 Umgebungstemp. / ambient temperature: -40°C - + 85°C
 It is recommended that the temperature of the part does not exceed 125°C under worst case operating conditions.

Freigabe erteilt / general release:	Kunde / customer		
Datum / date	Unterschrift / signature		
	Würth Elektronik		
Geprüft / checked	Kontrolliert / approved		
	TBr	Version 2	2006-08-01
	TBr	Version 1	2005-01-19
	Name	Änderung / modification	Datum / date

Würth Elektronik eiSos GmbH & Co.KG

D-74638 Waldenburg · Max-Eyth-Straße 1 - 3 · Germany · Telefon (+49) (0) 7942 - 945 - 0 · Telefax (+49) (0) 7942 - 945 - 400
<http://www.we-online.com>

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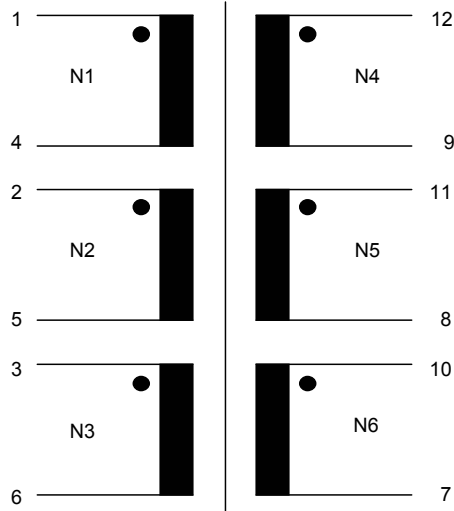
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H Induktivitätskurve / Inductance curve :



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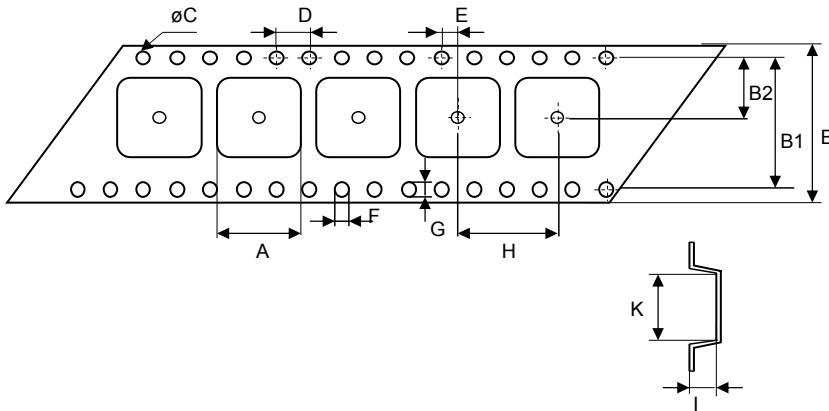
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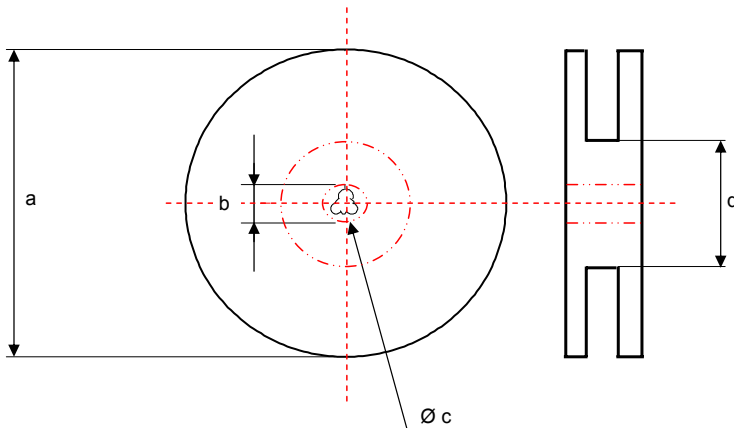
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I Rollenspezifikation / tape and reel specification :



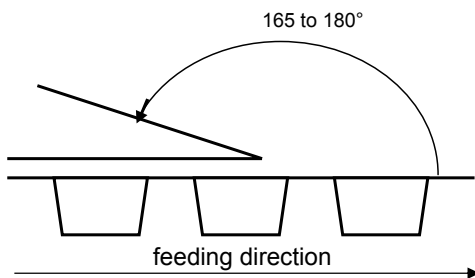
Gurtspezifikation / Tape specification:

A	15,4 ± 0,1	mm
B	32,0 ± 0,3	mm
B1	28,4 ± 0,1	mm
B2	14,2 ± 0,1	mm
C	1,50 ^{+0,1} - 0,0	mm
D	4,00 ± 0,1	mm
E	2,00 ± 0,1	mm
F	1,50 ^{+0,1} - 0,0	mm
G	1,70 ^{+0,15} - 0,05	mm
H	20,0 ± 0,1	mm
I	7,50 ± 0,1	mm
K	16,6 ± 0,1	mm



Rollenspezifikation / Reel specification:

a	330,0 ± 2,0	mm
b	21,00 ± 0,8	mm
c	13,00 ± 0,5	mm
d	100,0 ± 1,0	mm



The force for tearing off cover tape is 10 to 130 grams in arrow direction

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This electronic component has been designed and developed for usage in general electronic equipment. Before incorporating this component into any equipment where higher safety and reliability is especially required if there is the possibility of direct damage or injury to human body, for example in the range of aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transport signal, disaster prevention, medical, public information network etc. Würth Elektronik eiSos GmbH must be informed before the design-in stage. In addition, sufficient reliability evaluation checks for safety must be performed on every electronic component which is used in electrical circuits that require high safety and reliability functions or performance.

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