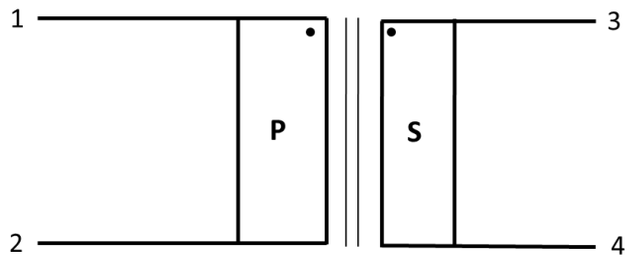
EXXELIA
16, Parc d'Activités du Beau Vallon F-57970 ILLANGE
+33 (0)3 82 59 13 33 +33 (0)3 82 51 00 49
info@exxelia.com

Transformer - 1000W - 200 kHz

I. POWER SUPPLY DEFINITION

Operating frequency : 200 kHz
Input : 360 V - 420 V / Output 25 V
Input Max rms current : 3.3 A
Primary to secondaries ratio : 6
Maximum effective duty cycle : 0.45
Estimated efficiency : 99.2 %
Maximum temperature rise : 37°C
(Cooling plate)

II. ELECTRICAL DIAGRAM



III. ELECTRICAL DATA

Spec.	Characteristic	Symbol	Test condtions 25°C (+/-2,5°C) unless otherwise specified	Values			Unit
				Minimal	Nominal	Maximal	
1	Magnetizing inductance	Lm	1 V, 200 kHz	-	-	-	µH
2	Leakage inductance	Ls	1 V, 200 kHz	-	-	0,85	µH
3	primary DCR			-	-	100	mΩ
4	secondary DCR			-	-	2,5	mΩ
5	Ratio		1 V , 200 kHz	-2%	6,00	2%	

IV. ENVIRONMENTAL DATA

1. Ambiant temperature range : .-40° to 70°C
2. Storage temperature range :
3. Raw material thermal class : F (155°C)
4. Max component temperature : 107°C
5. Moisture level :
6. Vibrations level (on request) :

V. REFERENCE STANDARDS

RoHs : Sn or SnPb finishing
Reach : Presence of SVHC >0,1% (according to the official list of the current date of the TDS) : No

VI. OTHER DATA

Copper grad & thermal class (on demand) Gr1, class F
Packaging (on request for specific packaging)
Raw material and winding arrangements are not disclosed

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Designed by KE

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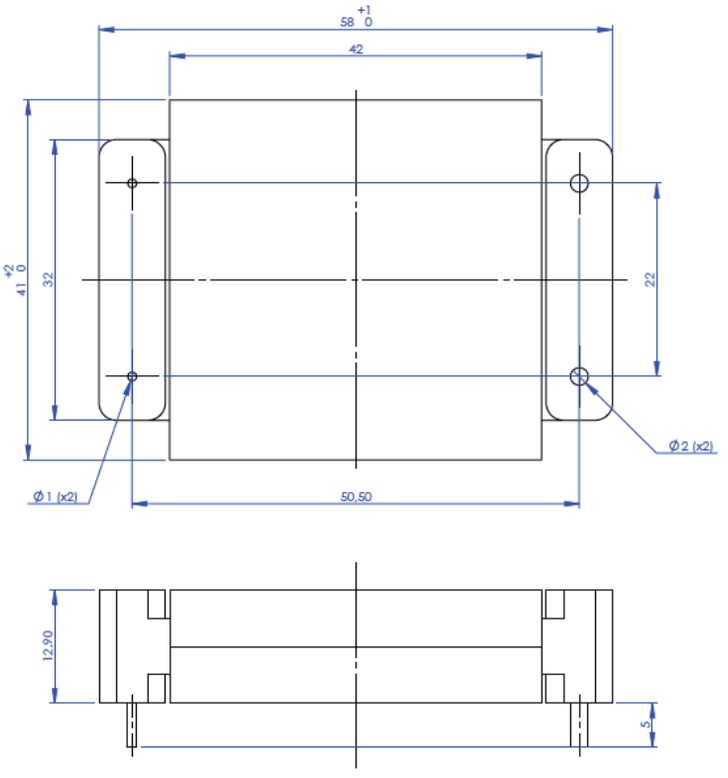
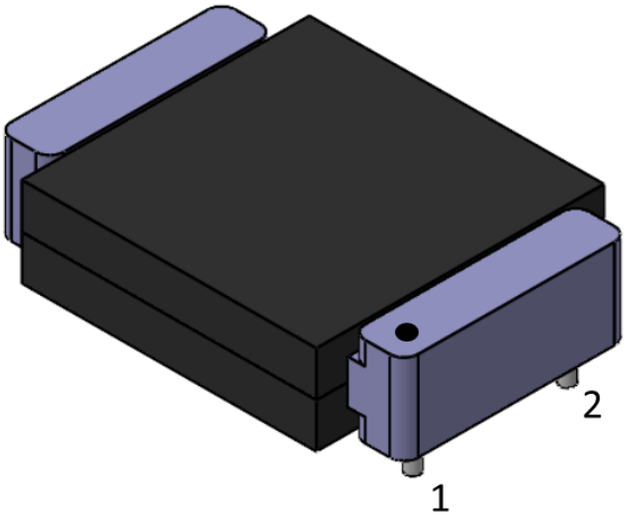
Transformer - 1000W - 200 kHz

L*W*H	59mm * 43 mm * 13 mm	maximum external dimensions
Weight	130 g - 150 g	





Marking : ink/laser/label

Max weight 150

Issue	Modification	Initials	Date

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