Bauteilname/Part Name:	**5808 Inductor 358µH_46mm_R01**			
Artikelnummer/Part Number:	**1103627**			
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R01	**5808 Inductor 358µH_46mm_R01**	03.09.2018	MS
R01.1	Artikelnummer vergeben	07.09.2018	SH

1. Image of an example



(Epoxy base not shown!)

2. Material

Magnetic Core:	Toroid Core 46.74 x 24.13 x 18.03mm; Al=169nH
Core material/ type:	CSC “HS”, µ=75 **HS467075** alternatively: -
Conductor material:	enameled copper wire, d_{cond} = 1.8mm
Coil form:	epoxy base plate, vertical orientation of inductor
Isolation material:	tube

3. Isolation Requirements

Air and Creepage distance:	-
Temperature class IEC85:	class B
Approval of the materials as „UL recognized component“:	yes
Inflammability of plastic parts:	UL-V1 or better
Comparative Tracking Index (CTI):	group III or better

4. Windings/ Construction

4.1. Winding table:

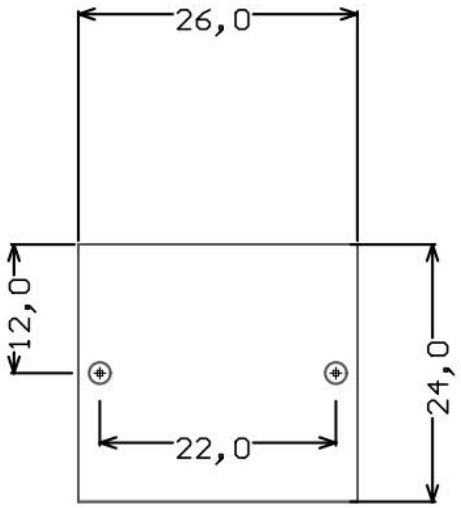
Pin		Number of turns	L [µH]	Conductor	Winding	Comment
Start	End					
1	2	46	358	enameled copper wire, d_{cond} =1.8mm	N1	2-layer (1^{st}: tight, appr. 30 turns)

4.2. Sketch of Windings : n.a

4.3. Sketch:

Dimensions in mm

Base (d=1,5mm):



- Winding ends must be tubed
- part to base glue fixation
- tinned winding ends used as solder pins

5. Checks

Inductance:	yes	@10kHz, Tolerance: +/-10%
Turns ratio:	-	
Test voltage:	-	