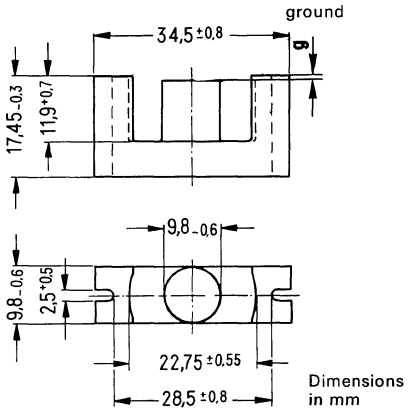
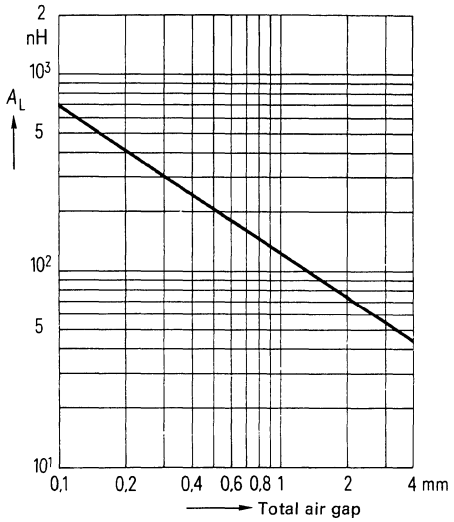
in accordance with IEC publication 647



A_L value versus total air gap
for a set consisting of

one core B66337-G0000 (g approx. 0)
and
one core B66337-G.... (g > 0)
or
two cores B66337-G.... (g > 0)



Magnetic characteristics (per set)

Core factor	$\Sigma l/A$ =	0.918	mm^{-1}
Effective length	l_e =	77.4	mm
Effective area	A_e =	84.3	mm^2
Min. core cross section[1]	A_{min} =	66	mm^2
Effective volume	V_e =	6530	mm^3

Approx. weight 18 g/item

Accessories

Coil former

EC cores are delivered individually according to the dimension *"g"* (shortened center leg). The tabulated A_L values apply to core sets comprising the indicated core and a core without shortened center leg (B66337-G0000).

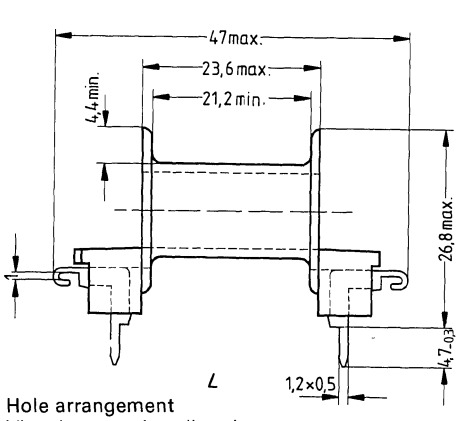
SIFERRIT material	Dimension *"g"* mm	tolerance mm	A_L value nH	Effective permeability μ_e	**Ordering code** (PU: 400 items)
N 27 ◥	appr. 0	–	approx. 2100	approx. 1530	B66337-G0000-X127
N 27 ◥	0.10	±0.02	approx. 680	approx. 500	B66337-G0100-X127
N 27	0.25	±0.03	approx. 340	approx. 249	B66337-G0250-X127
N 27	0.50	±0.05	approx. 205	approx. 150	B66337-G0500-X127
N 27	1.00	±0.1	approx. 122	approx. 89	B66337-G1000-X127

For power loss P_v and amplitude permeability μ_a refer to page 418.

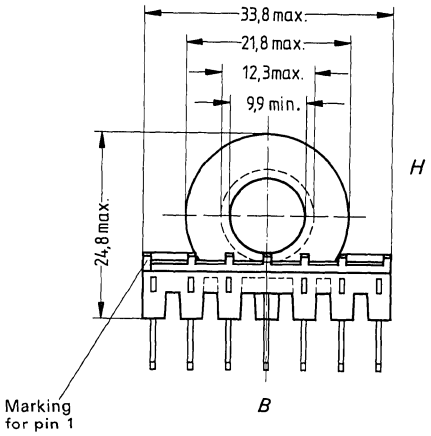
[1] Necessary for calculating the max. flux density
◥ to be preferred

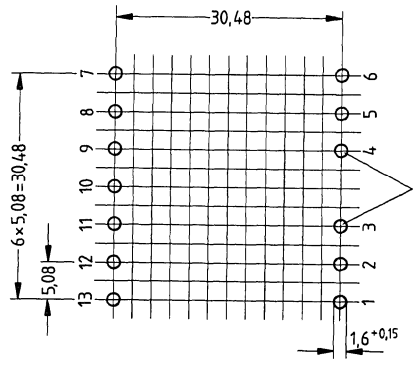
Coil former B 66 272

Glass-fiber reinforced polyterephthalate coil former, flame-retardant in accordance with UL 94 V-0.
Available with 11 or 13 solder terminals, as required.
Permissible soldering temperature max. 400 °C/752 °F, 2 sec.
For winding details refer to page 73.



Hole arrangement
View in mounting direction





Pins 3 and 4 not needed for type B66272-A1001-T001

Built-in dimensions for the transformer
L = 47 mm
B = 36 mm
H = 26 mm

Dimensions in mm

Useful winding cross section A_N mm²	Average length of turn l_N mm	A_R value[1] µΩ	Approx. weight g	Number of terminals	**Ordering code** (PU: 200)
97	53	18.8	7	11	B66272-A1001-T001
				13	B66272-A1002-T001

[1] $R_{Cu} = A_R \cdot N^2$ (dc resistance = A_R · number of turns²)