

Construction

- ER 11 ferrite core with clamp
- 10 gullwing terminals

Features

- Very low total height
- Low stray inductance,
low winding capacitance,
low DC resistance
- High DC magnetic bias

Applications

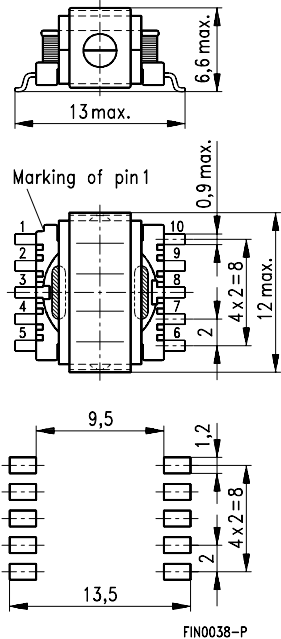
- Pulse transformers
(A1034, A1018)
- Broadband transformers (A1034)
- Drive transformers for power semiconductors
 - Full bridge (A1018)
 - Small-signal semiconductors (A1034)
- Low-power DC/DC converters
(A1033, A1034)

Packing

24-mm blister tape,
packing unit: 700 pcs.

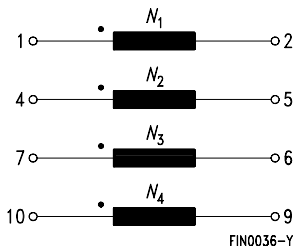
Transformation ratio

See table on next page

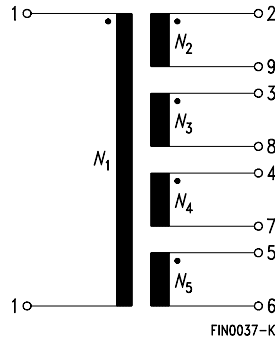


Recommended pad arrangement

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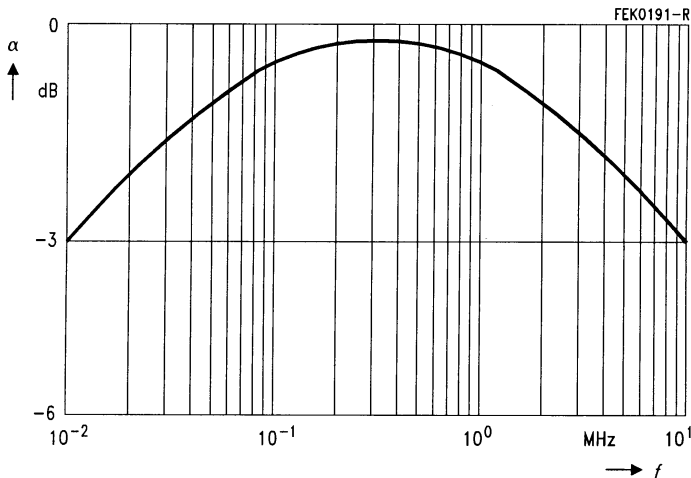
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Technical data

| L_1 mH | $N_1 : N_2 : N_3 : N_4 : N_5$ | L_S ¹⁾ μ H | R_{DC} ²⁾ Ω | C_K ³⁾ pF | f_r ⁴⁾ MHz | V_P ⁵⁾ V_{AC} | Ordering code |
|-----------------|-------------------------------|--------------------------------|------------------------------------|---------------------------|----------------------------|---------------------------------|-----------------|
| $0.10 \pm 55\%$ | 1 : 1 : 1 : 1 | 2.5 | < 0.6 | 25 | > 3.00 | 1000 | B78334A1033A003 |
| $1.00 \pm 55\%$ | 1 : 1 : 1 : 1 | 1.0 | < 1.0 | 40 | ≈ 0.75 | 1000 | B78334A1034A003 |
| $0.27 \pm 55\%$ | 1 : 2.6 : 2.6 : 2.6 : 2.6 | 3.0 | > 0.8 | 25 | ≈ 0.50 | 1000 | B78334A1018A003 |

Attenuation versus frequency (for transformers with $L_1 = 1$ mH and $L_1 = 10$ mH)



1) Measured on 1-2 or 1-10, all other windings short-circuited

2) Measured on 1-2 or 1-10

3) Capacitance winding : winding, measured on 1-4 or 1-2

4) Resonance frequency of primary winding (1-2 or 1-10)

5) Voltage strength winding : winding (50 Hz, 1 s)

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