



**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**

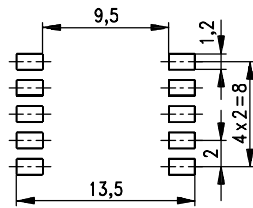
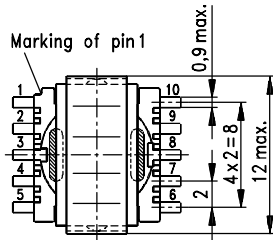
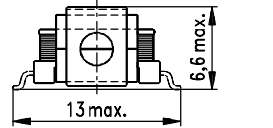
- Pulse transformers (A1034, A1018)
- Broadband transformers (A1034)
- Drive transformers for power semiconductors
  - Full bridge (A1018)
  - Small-signal semiconductors (A1034)
- Low-power DC/DC converters (A1033, A1034)

**Packing**

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

**Transformation ratio**

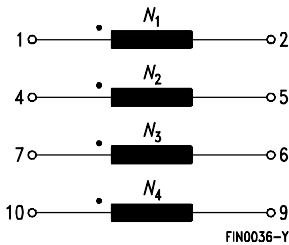
See table on next page



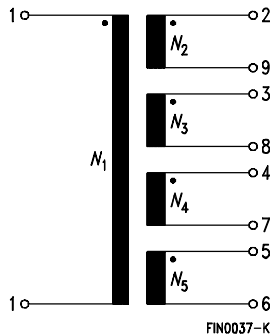
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Recommended pad arrangement

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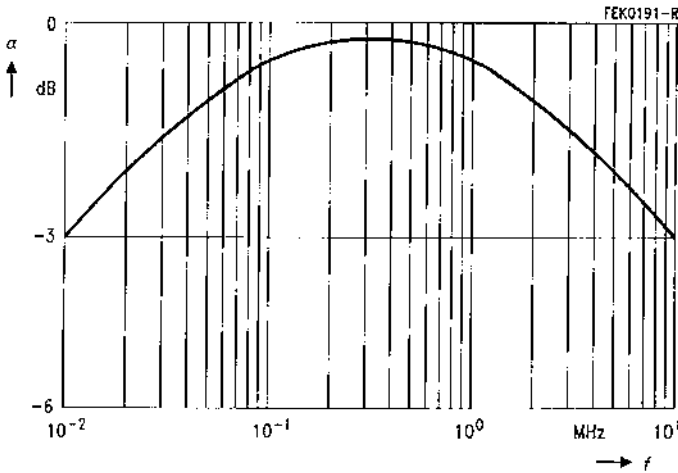
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Technical data

| $L_1$<br>mH     | $N_1 : N_2 : N_3 : N_4 : N_5$ | $L_S$ <sup>1)</sup><br>$\mu$ H | $R_{DC}$ <sup>2)</sup><br>$\Omega$ | $C_K$ <sup>3)</sup><br>pF | $f_r$ <sup>4)</sup><br>MHz | $V_P$ <sup>5)</sup><br>$V_{AC}$ | 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                        | $\approx 0.75$             | 1000                            | B78334A1034A003 |
| $0.27 \pm 55\%$ | 1 : 2.6 : 2.6 : 2.6 : 2.6     | 3.0                            | > 0.8                              | 25                        | $\approx 0.50$             | 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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