Construction

- ER 11 ferrite core with clamp
- 10 gullwing terminals

Features

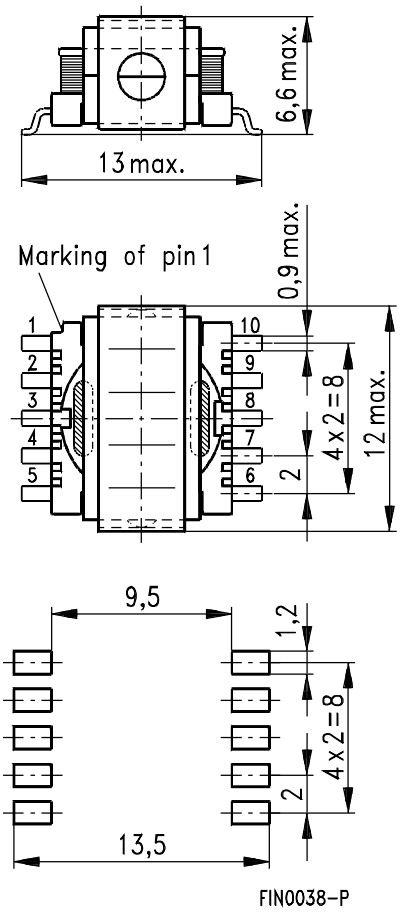
- Very low total height
- Low stray inductance,
  low winding capacitance,
  low dc resistance
- High dc magnetic bias

Applications

- Pulse transformers
  (B78334-B1034-A3, B78334-B1018-A3)
- Broadband transformers (B78334-B1034-A3)
- Drive transformers for power semiconductors
  – Full bridge (B78334-B1018-A3)
  – Small-signal semiconductors (B78334-B1034-A3)
- Low-power DC/DC converters
  (B78334-B1033-A3, B78334-B1034-A3)

Packing

- 24-mm blister tape
- Packing unit: 600 pcs.

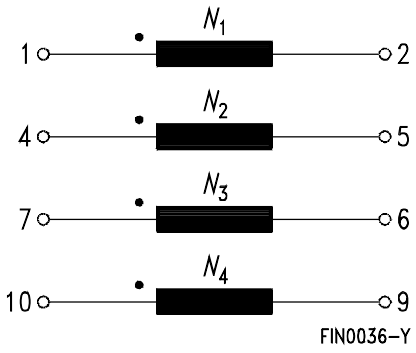


Recommended pad arrangement

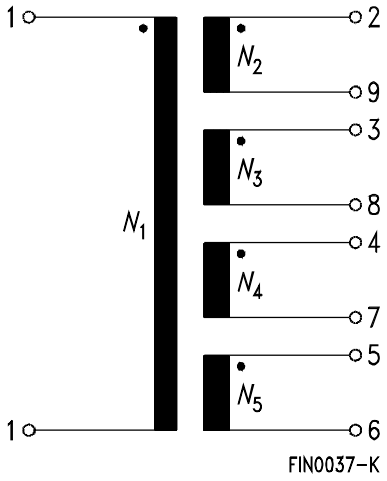
Transformation ratio

See table on next page

B78334-B103*-A3



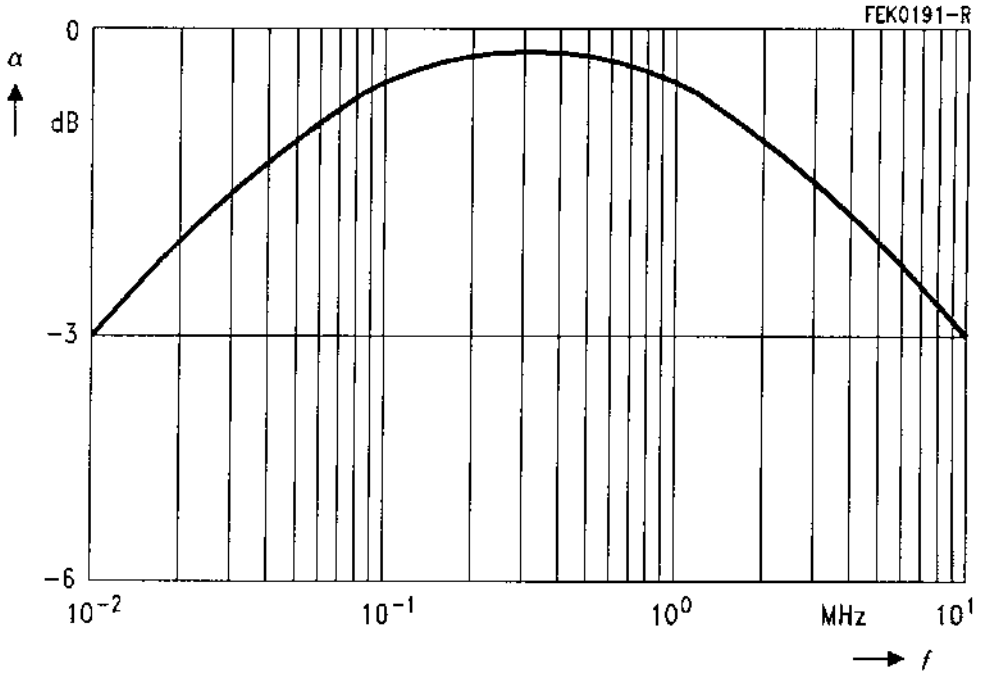
B78334-B1018-A3



Technical data

L_1 mH	$N_1 : N_2 : N_3 : N_4 : N_5$	L_S [1] µH	R_{DC} [2] Ω	C_K [3] pF	f_r [4] MHz	V_P [5] V_{AC}	Ordering code
0,10 ± 55 %	1 : 1 : 1 : 1	2,5	< 0,6	25	> 3,00	1000	B78334-B1033-A3
1,00 ± 55 %	1 : 1 : 1 : 1	1,0	< 1,0	40	≈ 0,75	1000	B78334-B1034-A3
0,27 ± 55 %	1 : 2,6 : 2,6 : 2,6 : 2,6	3,0	> 0,8	25	≈ 0,50	1000	B78334-B1018-A3

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)

DC magnetic bias