

Construction

- E 6,3 ferrite core
- With cover cap
- 6 gullwing terminals

Features

- Very small size
- Low stray inductance,
low winding capacitance,
low dc resistance

Applications

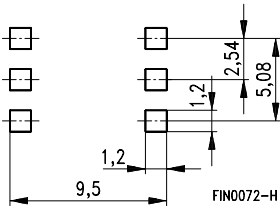
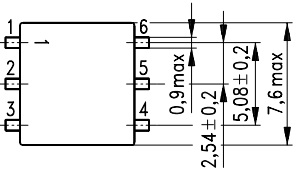
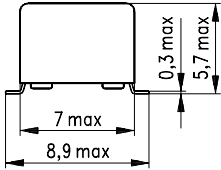
- Pulse transformers
- Broadband transformers
- Drive transformers for power semiconductors
- Low-power DC/DC converters
(B78304-B1016-A3)

Packing

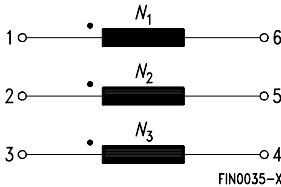
- 16-mm blister tape
- Packing unit: 900 pcs.

Transformation ratio

[See table on next page](#)



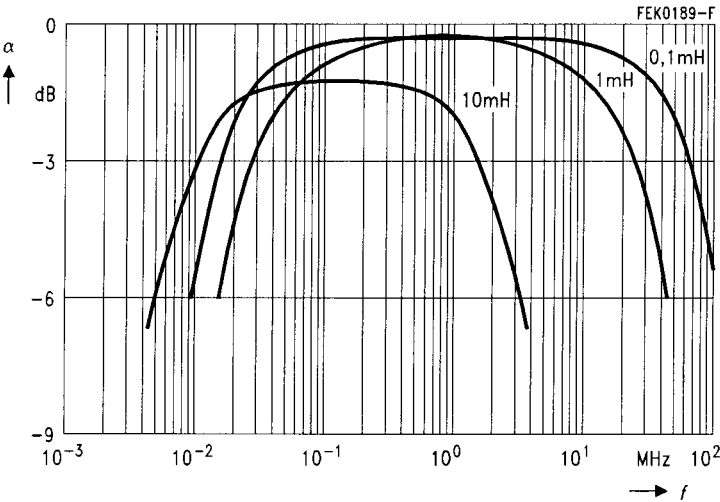
Recommended pad arrangement



Technical data

L_1 mH	$N_1 : N_2 : N_3$	L_S ¹⁾ μH	R_{DC} ²⁾ Ω	C_K ³⁾ pF	B_{3dB} MHz	f_r ⁴⁾ MHz	V_P ⁵⁾ V_{AC}	Ordering code
$0,1 \pm 55\%$	1 : 1 : 1	0,3	< 0,2	15	0,05 ... 60	≈ 9,0	500	B78304-B1030-A3
$1,0 \pm 55\%$	1 : 1 : 1	1,0	< 0,9	30	0,03 ... 23	≈ 4,0	500	B78304-B1031-A3
$10,0 \pm 55\%$	1 : 1 : 1	4,0	< 6,0	80	0,01 ... 1,6	≈ 0,2	500	B78304-B1032-A3
$4,3 \pm 55\%$	1 : 0,21 : 0,21	20,0	< 6,0	—	—	> 0,6	500	B78304-B1016-A3

Attenuation versus frequency



- 1) Measured on 1–6, all other windings short-circuited
- 2) Measured on 1–6
- 3) Capacitance winding : winding, measured 1–2
- 4) Resonance frequency of primary winding (1–6)
- 5) Voltage strength winding : winding (50 Hz, 1 s)