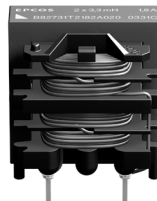


**E core chokes**

**Rated voltage 250 VAC**  
**Rated current 0.3 to 1.8 A**  
**Rated inductance 3.3 to 100 mH**



**Construction**

- Current-compensated double choke with closed E ferrite core
- Closed PETP coil former with 4 sections
- Without encapsulation
- 2-section winding
- Clearances >2.5 mm, creepage distances >3 mm

**Features**

- Coil former flame-retardant as per UL 94 V-0
- High resonance frequency due to 2-section winding
- High pulse strength
- Low whirring noise
- Approx. 2% stray inductance for symmetrical interference suppression

**Applications**

- Electronic ballasts for lamps
- Switch-mode power supplies for consumer electronics


**Terminals**

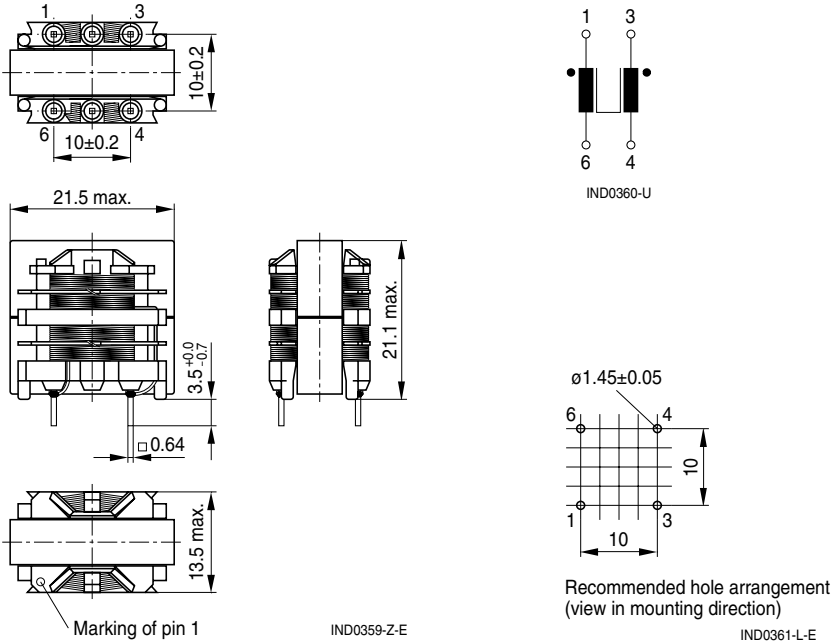
- Pins lead-free tinned
- Lead spacing 10 x 10 mm

**Marking**

Manufacturer, rated current, rated inductance, ordering code, date of manufacture

**Approvals**

Approval marks	Standards
	EN 60938-2 UL 1283

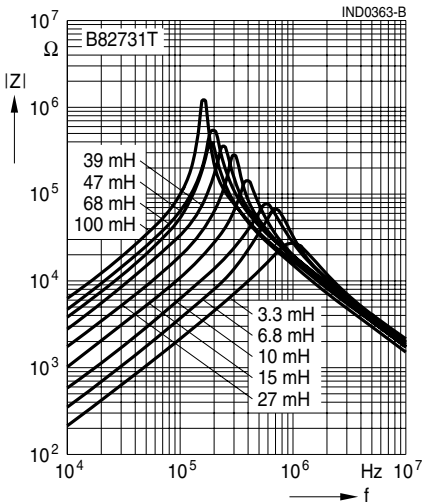
**Dimensional drawing and pin configuration**

**General technical data**

Rated voltage $V_R$	250 VAC
Test voltage $V_{test}$	1500 VAC, 2 s (line/line)
Rated current $I_R$	Referred to 50 Hz and 40 °C ambient temperature
Rated inductance $L_R$	Measured at 20 °C, measuring current 0.1 mA, measuring frequency 10 kHz (specified per winding)
Inductance tolerance	-30/+50%
Inductance decrease $\Delta L/L_0$	<10% at DC magnetic bias with $I_R$
Climatic category	40/125/56 (-40/+125/56 days damp heat test) to EN 60068-1
Weight	Approx. 15 g

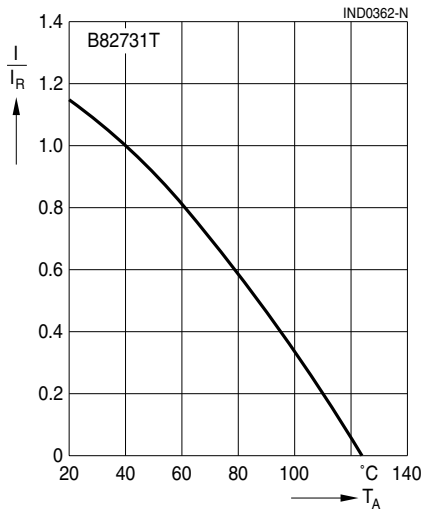
Characteristics and ordering codes

$I_R$ A	$L_R$ mH	$L_{\text{stray, typ}}$ $\mu\text{H}$	$R_{\text{typ}}$ $\text{m}\Omega$	Ordering code
0.3	100	2000	6600	B82731T2301A020
0.35	68	1300	4400	B82731T2351A020
0.45	47	950	2800	B82731T2451A020
0.55	39	800	2200	B82731T2551A020
0.65	27	550	1600	B82731T2651A020
0.8	15	300	950	B82731T2801A020
1.0	10	200	630	B82731T2102A020
1.3	6.8	140	370	B82731T2132A020
1.8	3.3	65	200	B82731T2182A020

Impedance  $|Z|$  versus frequency  $f$   
(measured with windings in parallel)



Current derating  $I/I_R$   
versus ambient temperature  $T_A$



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