



Chokes for Power Lines

Series/Type: B82733F

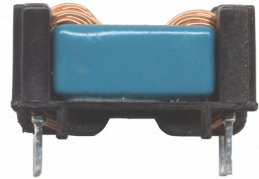
The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B82733F2751A001	B82733F2701B001	2006-06-09		
B82733F2951A001	B82733F2901B001	2006-06-09		
B82733F2122A001	B82733F2112B001	2006-06-09		
B82733F2142A001	B82733F2122B001	2006-06-09		
B82733F2172A001	B82733F2142B001	2006-06-09		
B82733F2222A001	B82733F2192B001	2006-06-09		
B82733F2292A001	B82733F2232B001	2006-06-09		

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FC core chokes
Preliminary data

Rated voltage 250 VAC
Rated current 0.75 bis 2.9 A
Rated inductance 10 bis 100 mH


Construction

- Current-compensated double choke
- Closed magnetic circuit with frame construction
- 4-section winding with direct winding of the core
- Optional magnetic bypass to increase stray inductance
- Height 14 mm

Features

- High inductance with low resistance
- Excellent differential-mode suppression
- Low height allows usage in lamp ballasts
- High pulse-handling capability
- Industry best inductance/rated current ratio

Applications

- Electronic ballasts for lamps
- High power switch-mode power supplies for consumer electronics


Terminals

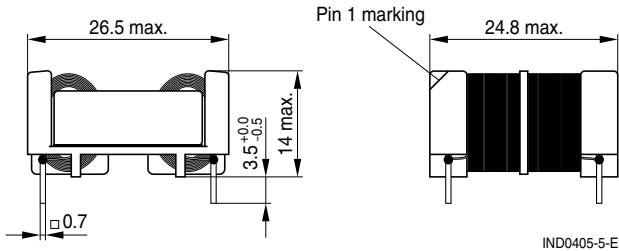
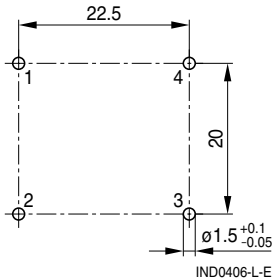
- Lead-free
- Pins fitting standard PCB grid

Marking

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

Approvals

Marks of conformity	Standards
	EN 60938-2 (pending) UL 1283 (pending)

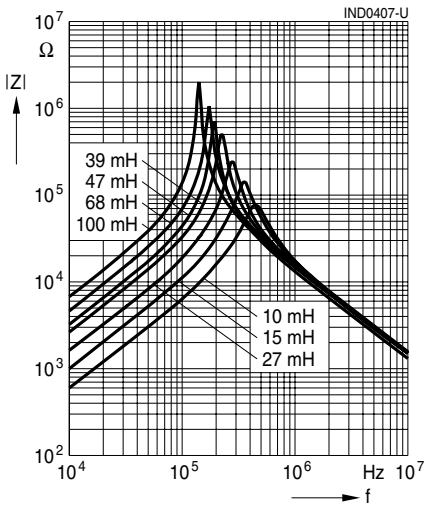
Dimensional drawing and pin configuration

 Layout recommendation
(top view)

General technical data and measuring conditions

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
Inductance tolerance	±30%
Rated inductance L_R	Measured at 20 °C, measuring current 0.1 mA, measuring frequency 10 kHz the inductance is specified per winding
$\Delta L/L_0$	<10% at DC loading with I_R
Climatic category (IEC 60068-1)	40/125/56 (-40 °C/+125 °C/56 days damp heat test)
Weight	Approx. 18 g

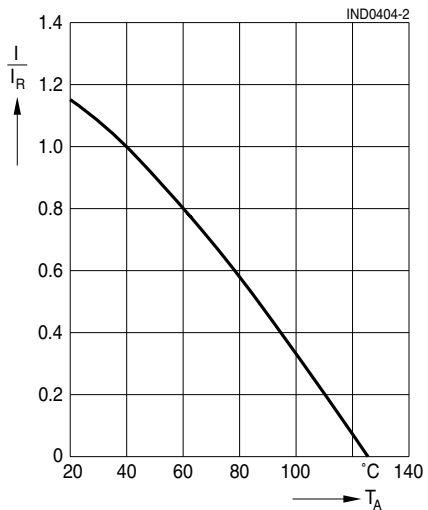
Characteristics and ordering codes

I_R A	L_R mH	L_S, typ μH	R_{typ} m Ω	Ordering code
0.75	100	2160	1700	B82733F2751A001
0.95	68	1440	980	B82733F2951A001
1.2	47	1010	710	B82733F2122A001
1.4	39	830	530	B82733F2142A001
1.7	27	520	370	B82733F2172A001
2.2	15	320	210	B82733F2222A001
2.9	10	185	130	B82733F2292A001

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



Current derating I/I_R
versus ambient temperature T_A



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This brochure replaces the previous edition.

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