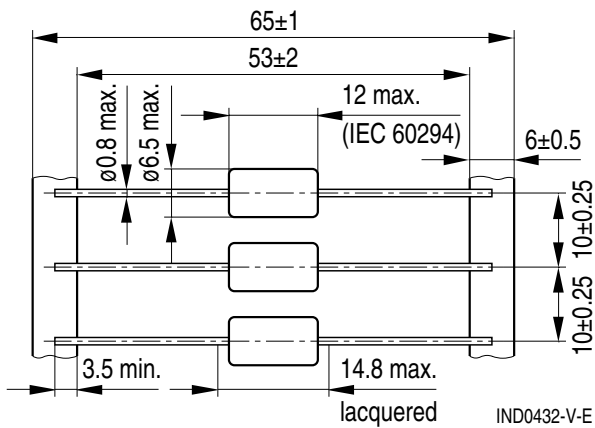


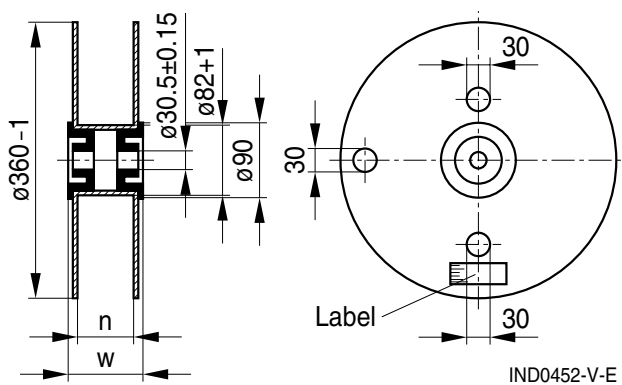
HLBC series, 6.5 × 12 (mm)

Dimensional drawing



Dimensions in mm
Minimum lead spacing 15 mm

Packing



Dimensions in mm

n (mm): 72 +1
w (mm): 84 max

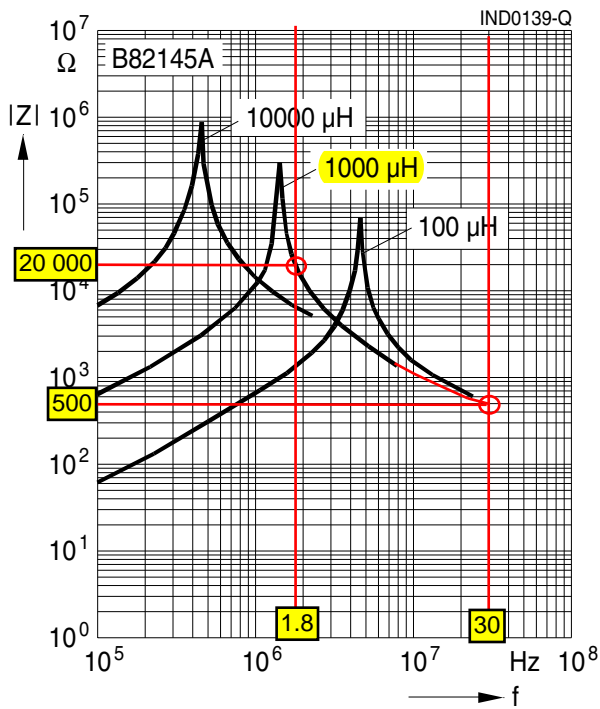
Characteristics and ordering codes

L_R μH	Tolerance ¹⁾	Q_{\min}	f_Q MHz	I_R mA	R_{\max} Ω	$f_{\text{res,min}}$ MHz	Ordering code
100	$\pm 5\% \triangleq J$	50	0.796	860	0.70	3.5	B82145A1104J000
150		40	0.796	770	0.90	3.0	B82145A1154J000
220		30	0.796	690	1.10	2.5	B82145A1224J000
330		30	0.796	630	1.30	2.1	B82145A1334J000
470		30	0.796	510	1.90	1.8	B82145A1474J000
680		20	0.796	440	2.50	1.5	B82145A1684J000
1000		60	0.252	370	3.60	1.3	B82145A1105J000
1500		60	0.252	300	5.40	1.0	B82145A1155J000
2200		60	0.252	250	8.00	0.8	B82145A1225J000
3300		60	0.252	200	12.5	0.6	B82145A1335J000
4700		60	0.252	170	18.0	0.5	B82145A1475J000
6800		60	0.252	130	28.5	0.4	B82145A1685J000
10000		50	0.0796	110	35.0	0.35	B82145A1106J000

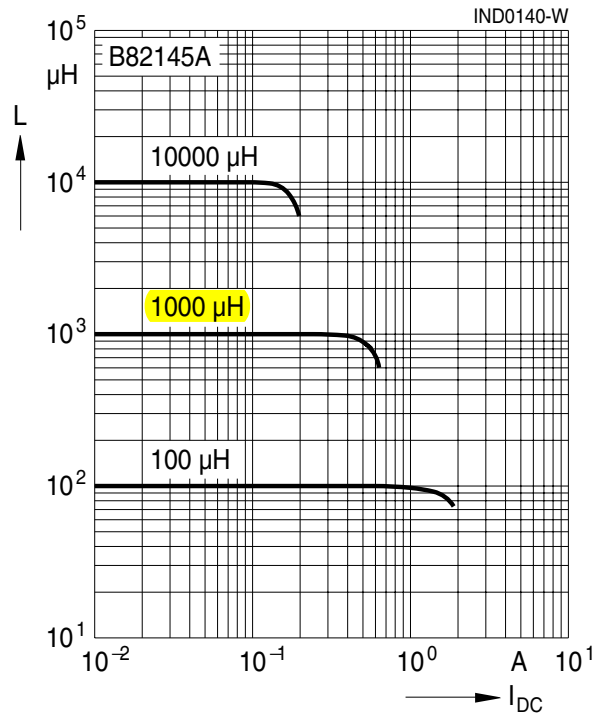
HLBC chokes with diameter 7.5 and 8.5 mm for even higher rated currents available on request.
 HLBC chokes with temperature range up to 140 °C available on request.

1) Closer tolerances on request.

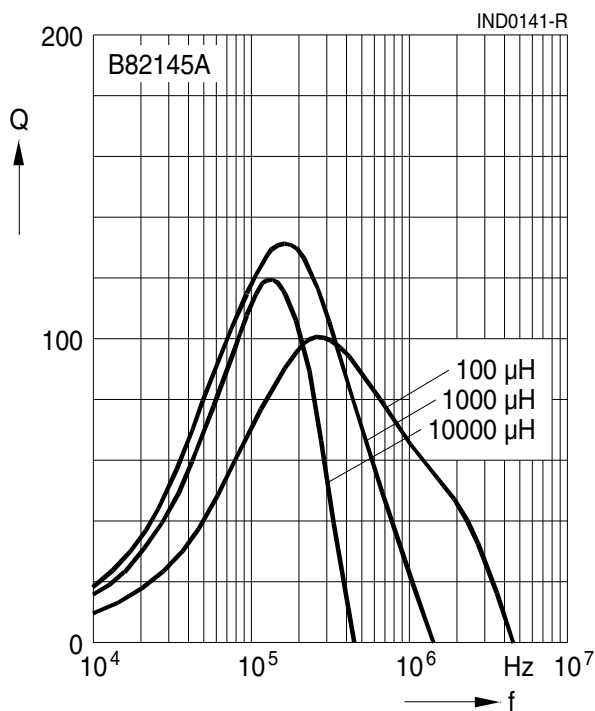
Impedance $|Z|$ versus frequency f
measured with impedance analyzer Agilent 4294A or S-parameter network analyzer Agilent 8753ES, typical values at 20 °C



Inductance L versus DC load current I_{DC}
measured with LCR meter Agilent 4284A, typical values at 20 °C



Q factor versus frequency f
measured with impedance analyzer Agilent 4294A, typical values at 20 °C



Current derating I_{op}/I_R versus ambient temperature T_A
(rated temperature $T_R = 40$ °C)

