Inductors

VHF chokes
Selection guide, General

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EPCOS AG is a TDK Group Company.

VHF chokes

Selection guide

	I_R A	L_R µH	Dimensions (mm) $d_{max} \times l_{max}$	Dimensions (mm) Min. LS[1)]	Features	Type	
	0.15 … 4	1 … 80	5.0 × 15	17.5	Central axial leads, carbonyl iron core, single-layer winding, taped	B82131	
	0.15 … 4	2 … 160	5.5 × 20	22.5		B82132	
	0.15 … 4	5 … 350	7.5 × 25	27.5		B82133	
	0.15 … 3	12 … 420	7.5 × 30	32.5		B82134	
	0.1… 6	7 … 1200	6.0 × 26 6.5 × 26 7.0 × 26 7.5 × 26	30	Central axial leads, ferrite core, single-layer winding, taped	B82111E	
	2 … 10	3 … 25	7.0 × 24 7.5 × 24	—	Axial leads, winding ends brought out as leads, ferrite core	B82111B	
			6.0 × 29… 7.5 × 29				
			8.5 × 34… 9.5 × 34				
	0.2 … 2	120 … 3900	10 × 32	35	Central axial leads, ferrite core, multilayer winding high inductance values	B82500	

1) LS = lead spacing

VHF chokes

General

Overview

EPCOS VHF chokes are leaded EMI suppression chokes with insulating sleeves. Their outstanding feature is their compact size.

- B82131 … 134 types are available in four different sizes. They consist of a cylindrical carbonyl iron core with the leads cemented in place. The single-layer winding is connected to the leads using a high-temperature solder.
- The B82111E design has the same construction, except that it has a ferrite core.
- For higher rated currents, type B82111B, consisting of an enamel copper wire coil with a ferrite core cemented into it, is available (in three different sizes).
- B82500, which is manufactured with a low-capacitance multilayer winding, is used to achieve high inductance values.

Typical applications

On account of their insulating sleeves, VHF chokes are predestined for line voltage applications.

They are required for

- Blocking and filtering high frequencies
- Suppression of EMI interference in small appliances
- Decoupling in telecommunications and entertainment electronics