

SPECIFICATION

ZD 7.9*2.6 SMD

Transponder coil for Z axes

Productor descrip.: ZD 7.9*2.6

ENJOLE P/N: PKE-LFZD7926 Series

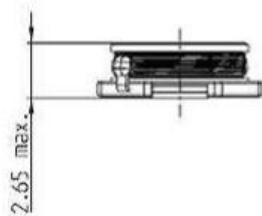
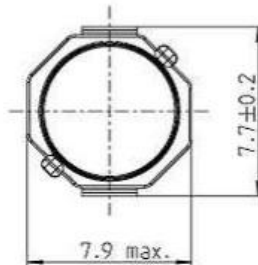
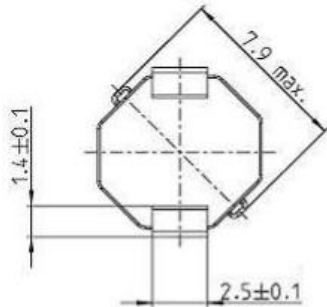
Customer P/N: TBD

Date: 2021-5-18

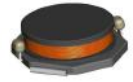
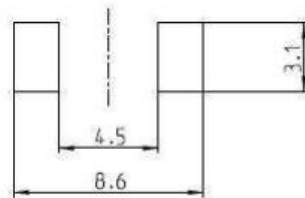
Version: A1

Date sheet

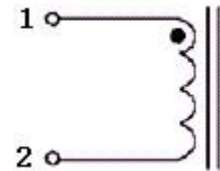
Dimensions in mm



Layout recommendation:



Schematic



Marking:

XXXX
(BALCK)

Electrical Characteristics: (specified @25°C if not mentioned otherwise) *) typical value
All values without tolerances are typical values

Items	Inductance	Q:	Styp	DCR	Fres
1004J	1.0mH ±5%	58 min	5 mV/uT	9 Ω Max	3.0MHZ min
2384J	2.38mH ±5%	58 min	10 mV/uT	20 Ω Max	2.2MHZ min
4664J	4.66mH ±5%	55 min	15 mV/uT	39 Ω Max	1.2MHZ min
4754J	4.75mH ±5%	55 min	16 mV/uT	41 Ω Max	1.2MHZ min
4814J	4.81mH ±5%	55 min	16 mV/uT	45 Ω Max	1.2MHZ min
7804J	7.80mH ±5%	50 min	20 mV/uT	85 Ω Max	0.9MHZ min

Packaging:

- 1: Blister tape:
- 2: 1500pcs/reel.
- 3: Cold seal or heat seal

Remark:

1. ROHS Compatible.
2. coplanarity:<0.15mm

Materials

Core : Ferrite or equate

Wire: G2 180D

Terminal : copper with coating Sn

Base body: LCP4008

Operation Temperature: -40°C~+125°C

Inductive Component	PKE-LFZD7926 Series
Transponder coil	ZD7.9*2.6

Cautions and warnings

- Please note the recommendations in our Transponder coil data book (latest edition) and in the data sheets
- Particular attention should be paid to the derating curves given there
- The soldering conditions should be observed. Temperatures quoted in relation to wave soldering refer to the pin, not the housing.
- If the components are to be washed varnished it is necessary to check whether the washing varnish agent that is used has a negative effect on the wire insulation, any plastics that are used, or on glued joints. In particular, it is possible for washing varnish agent residues to have a negative effect in the long-term on wire insulation.
- The following points must be observed if the components are potted in customer applications:
 - Many potting materials shrink as they harden. they therefore exert a pressure on the plastic housing or core . This pressure can have a deleterious effect on electrical properties, and in extreme cases can damage the core or plastic housing mechanically
 - It is necessary to check whether the potting material used attacks or destroys the wire insulation, plastics or glue
 - The effect of potting material can change the high-frequency behaviour of the components.
- Ferrites are sensitive to direct impact. This can cause the core material to flake, or lead to breakage of the core
- Even for customer-specific products, conclusive validation of the component in the circuit can only be carried out by customer

Important notes:

1. Some parts of this publication contain **statements about the suitability of our products for certain areas of application**. These statements are based on our knowledge of typical requirements that are often placed on our products in the areas of application concerned. We nevertheless expressly point out **that such statements cannot be regarded as binding statements about the suitability of our products for a particular customer application**. As a rule, ENJOLE is either unfamiliar with individual customer applications or less familiar with them than the customers themselves. For these reasons, it is always ultimately incumbent on the customer to check and decide whether an ENJOLE product with the properties described in the product specification is suitable for use in a particular customer application.
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