

### Construction

- Current-compensated ring core double choke with ferrite core
- Plastic case

### Features

- Case flame-retardant as per UL 94 V-0
- Suitable for automatic insertion
- Pins fitting standard PCB grid

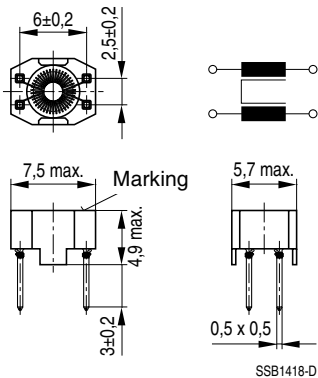
### Applications

- B82796C:  
Suppression of asymmetrical interference coupled in on lines, whereas data signals up to some MHz can pass unaffectedly
- B82796S:  
Suppression of asymmetrical and symmetrical interference coupled in on lines. The high-frequency portions of the symmetrical data signal are decreased so far that EMC problems can be significantly reduced

### Marking

Ordering code, manufacturer, date of manufacture (month, year)

### Dimensional drawing



**General technical data**

|                                    |                                                                                                                                                                        |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated voltage $V_R$                | 42 Vac (50/60 Hz)<br>80 Vdc                                                                                                                                            |
| Rated current $I_R$                | Referred to 50 Hz and 60 °C ambient temperature                                                                                                                        |
| Rated inductance $L_R$             | Measured with HP 4275A<br>at $L \leq 1 \text{ mH} = 100 \text{ kHz}, 0,1 \text{ mA}$<br>$L > 1 \text{ mH} = 10 \text{ kHz}, 0,1 \text{ mA}$<br>(specified per winding) |
| Inductance tolerance               | B82796+****N201: $\pm 30 \%$<br>B82796+****N215/N265: $-30 \%/+50 \%$                                                                                                  |
| Inductance decrease $\Delta L/L_0$ | $< 10 \%$ at dc magnetic bias with $I_R$                                                                                                                               |
| Stray inductance $L_S$             | Measured at 100 kHz and 5 mA                                                                                                                                           |
| DC resistance $R_{typ}$            | Typical values, measured at 20 °C ambient temperature                                                                                                                  |
| Climatic category                  | 40/125/56 ( $-40 \text{ °C}/+125 \text{ °C}/56$ days damp heat test)<br>in accordance with IEC 60068-1                                                                 |
| Weight                             | Approx. 0,25 g                                                                                                                                                         |

**Characteristics and ordering codes**

| $L_R$<br>mH | $L_{S, typ}$<br>nH | $I_R^{1)}$<br>mA | $R_{typ}$<br>$\Omega$ | $V_T$<br>Vdc, 2 s | Ordering code   |
|-------------|--------------------|------------------|-----------------------|-------------------|-----------------|
| 0,005       | 50                 | 1200             | 0,075                 | 250               | B82796C0502N201 |
| 0,011       | 50                 | 800              | 0,120                 | 250               | B82796C0113N201 |
| 0,025       | 1500               | 800              | 0,130                 | 250               | B82796S0253N201 |
| 0,051       | 2000               | 800              | 0,160                 | 250               | B82796S0513N201 |
| 0,470       | 200                | 700              | 0,200                 | 750               | B82796C0474N215 |
| 1,0         | 200                | 700              | 0,200                 | 750               | B82796C0105N265 |
| 2,2         | 250                | 500              | 0,400                 | 750               | B82796C0225N265 |
| 4,7         | 300                | 400              | 0,550                 | 750               | B82796C0475N265 |

1) Types with higher rated current upon request.

**Herausgegeben von EPCOS AG**

**Unternehmenskommunikation, Postfach 80 17 09, 81617 München, DEUTSCHLAND**

**☎ ++49 89 636 09, FAX (0 89) 636-2 26 89**

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**Corporate Communications, P.O. Box 80 17 09, 81617 Munich, GERMANY**

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