

**General Technical Details:**

- Transformer with each 6 windings
- Insulation Test Voltage 500VDC
- Low Leakage Inductance
- Operating Temperature -40° to +125°C
- Many possibilities for quick prototyping by use of different circuits

**Applications:**

- Flyback Converters
- Forward Converters
- Push-Pull Converters
- Step-Up/Step-Down Converters
- Sepic Converters

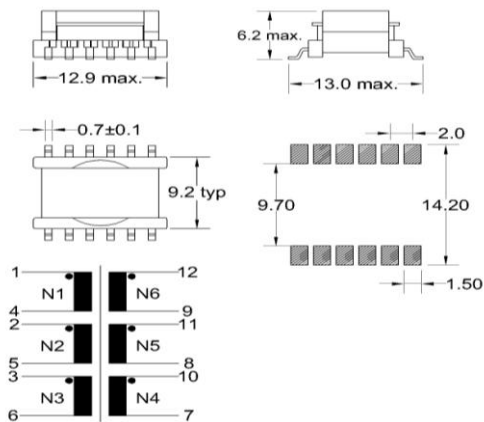
**Design:**

- Designed according to EN 61558-1 / EN 61558-16
- Basic Insulation

Dimension Tolerance:	Bobbin:	± 0.5mm
	Terminal (SMD):	± 0.1mm
	Terminal (THT):	± 0.2mm
	Grid size:	± 0.3mm

### 9.1. Size ER11/5

#### Drawing with Schematic:



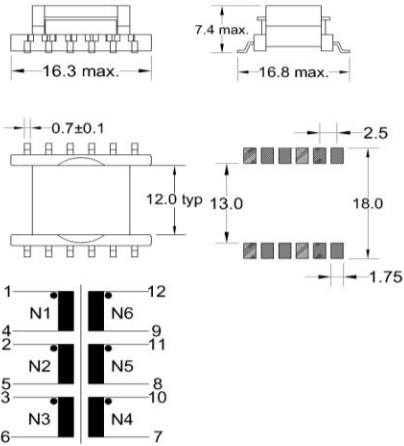
- Drawing not to scale!
- Tolerances of Bobbin and Technical Details upon page 138
- SMD-Terminals - Coplanarity  $\leq 100\mu\text{m}$

#### Electrical Data and Part Identification Number (PIN):

L1...L6 in $\mu\text{H}$	I1...I6 in mA	I <sub>sat</sub> in mA	R <sub>DC</sub> - m $\Omega$	PIN
27.0	550	200	350	PZS-RBA-A06
14.5	550	550	350	PZS-RBA-A07
11.0	550	700	350	PZS-RBA-A08
8.5	550	950	350	PZS-RBA-A09

9.2. Size ER14.5/6

Drawing with Schematic:



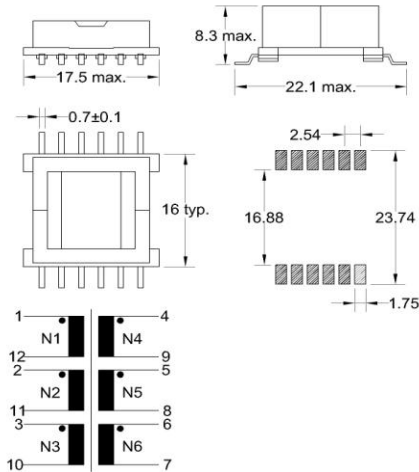
- Drawing not to scale
- Tolerances of Bobbin and Technical Details upon page 138
- SMD-Terminals - Coplanarity  $\leq 100\mu\text{m}$

Electrical Data and Part Identification Number (PIN):

L1...L6 in $\mu\text{H}$	I1...I6 in mA	I <sub>sat</sub> in mA	R <sub>DC</sub> - m $\Omega$	PIN
21.5	950	350	160	PZS-RBA-A10
11.5	950	820	160	PZS-RBA-A11
8.1	950	1150	160	PZS-RBA-A12
6.5	950	1500	160	PZS-RBA-A13

9.3 Size EFD15

Drawing with Schematic:



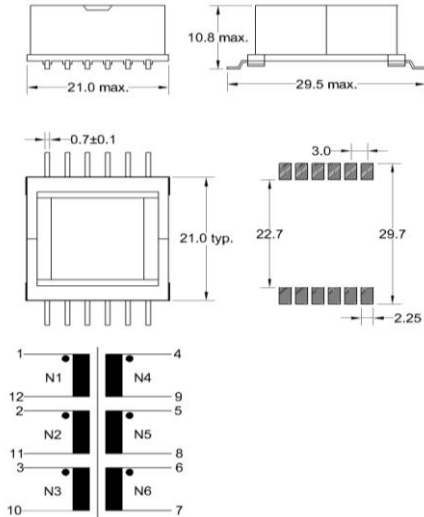
- Drawing not to scale
- Tolerances of Bobbin and Technical Details upon page 138
- SMD-Terminals - Coplanarity  $\leq 100\mu\text{m}$

Electrical Data and Part Identification Number (PIN):

L1...L6 in $\mu\text{H}$	I1...I6 in mA	I <sub>sat</sub> in mA	R <sub>DC</sub> - m $\Omega$	PIN
23.0	965	320	140	PZS-RBA-A14
14.5	965	615	140	PZS-RBA-A15
9.0	965	1075	140	PZS-RBA-A16
8.0	965	1300	140	PZS-RBA-A17

9.4. Size EFD20

Drawing with Schematic:



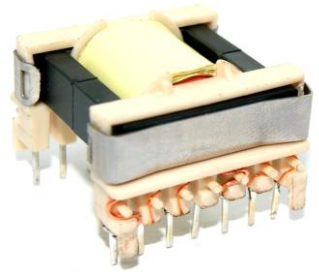
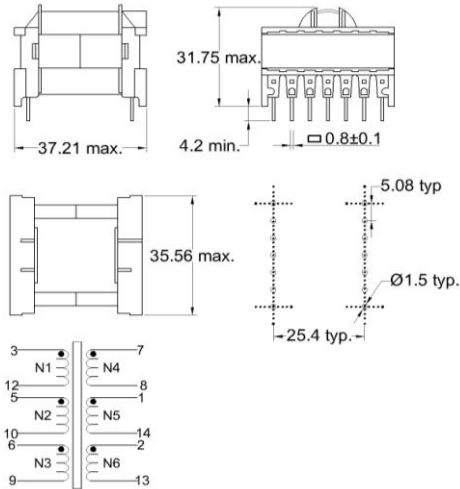
- Drawing not to scale!
- Tolerances of Bobbin and Technical Details upon page 138
- SMD-Terminals - Coplanarity ≤ 100µm

Electrical Data and Part Identification Number (PIN):

L1...L6 in µH	I1...I6 in mA	I <sub>sat</sub> in mA	R <sub>DC</sub> - mΩ	PIN
10.0	1800	1200	30	PZS-RBA-A18
5.5	1800	2500	30	PZS-RBA-A19
4.5	1800	2900	30	PZS-RBA-A20
3.5	1800	4200	30	PZS-RBA-A21

9.5. Size ETD29

Drawing with Schematic:



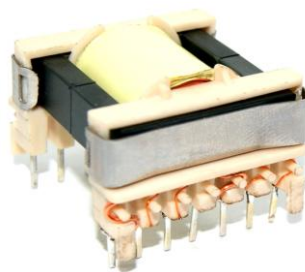
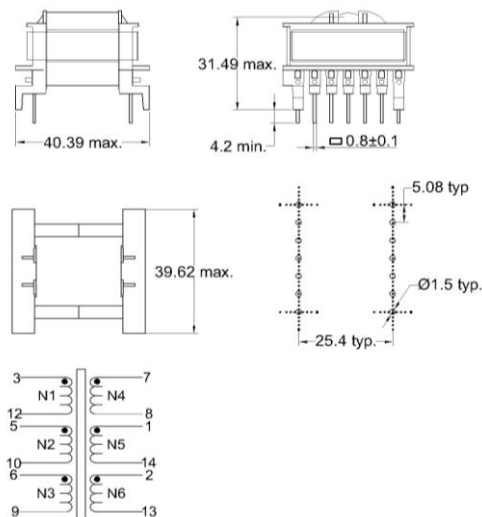
- Drawing not to scale!
- Tolerances of Bobbin and Technical Details upon page 138
- THT-Terminals

Electrical Data and Part Identification Number (PIN):

L1...L6 in $\mu\text{H}$	I1...I6 in mA	I <sub>sat</sub> in mA	R <sub>DC</sub> - m $\Omega$	PIN
75.0	2200	400	45	PZH-RBA-A22
45.0	2200	820	45	PZH-RBA-A23
25.0	2200	1850	45	PZH-RBA-A24
15.0	2200	3050	45	PZH-RBA-A25

9.6. Size ETD34

Drawing with Schematic:



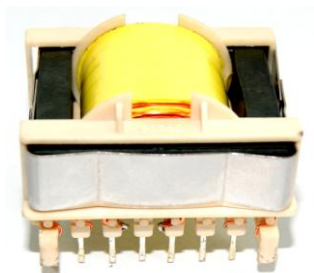
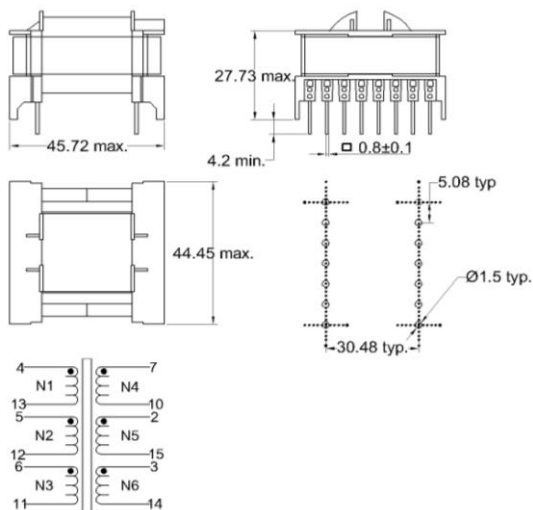
- Drawing not to scale!
- Tolerances of Bobbin and Technical Details upon page 138
- THT-Terminals

Electrical Data and Part Identification Number (PIN):

L1...L6 in µH	I...I6 in mA	I <sub>sat</sub> in mA	R <sub>DC</sub> - mΩ	PIN
115.0	2500	320	50	PZH-RBA-A26
65.0	2500	660	50	PZH-RBA-A27
35.0	2500	1550	50	PZH-RBA-A28
22.0	2500	3000	50	PZH-RBA-A29

9.7. Size ETD39

Drawing with schematic



- Drawing not to scale
- Tolerances of Bobbin and Technical Details upon page 138
- THT - Terminals

Electrical Data and Part Identification Number (PIN):

L1...L6 in $\mu\text{H}$	I...I6 in mA	I <sub>sat</sub> in mA	R <sub>Dc</sub> - m $\Omega$	PIN
125.0	3200	320	35	PZH-RBA-A30
75.0	3200	680	35	PZH-RBA-A31
40.0	3200	1600	35	PZH-RBA-A32
25.0	3200	3200	35	PZH-RBA-A33