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# Single-phase chokes, type TZS
# series: TL

**Description:**

Single-phase chokes dimensioned for values shown in technical parameters.

**SKYTL2-165**

**TECHNICAL PARAMETERS:**

| | |
|---|---|
| **Nominal current** | **In: 2A** |
| **Inductance ± 20%** | **L: 165mH** |
| **Protection class: IP00** | |

**SKYTL2-248**

**TECHNICAL PARAMETERS:**

| | |
|---|---|
| **Nominal current** | **In: 2A** |
| **Inductance ± 20%** | **L: 248mH** |
| **Protection class: IP00** | |

**SKYTL7-40**

**TECHNICAL PARAMETERS:**

| | |
|---|---|
| **Nominal current** | **In: 7A** |
| **Inductance ± 20%** | **L: 40mH** |
| **Protection class: IP00** | |

**SKYTL7-98**

**TECHNICAL PARAMETERS:**

| | |
|---|---|
| **Nominal current** | **In: 7A** |
| **Inductance ± 20%** | **L: 90mH** |
| **Protection class: IP00** | |

**SKYTL40-0,5u**

**TECHNICAL PARAMETERS:**

| | |
|---|---|
| **Nominal current** | **In: 40A** |
| **Inductance ± 20%** | **L: 0,5mH** |
| **Protection class: IP67** | |

**SKYTL40-1u**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 40A** |
| **Inductance ± 20%** | **L: 1mH** |
| **Protection class: IP67** | |

**SKYTL40-18**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 40A** |
| **Inductance ± 20%** | **L: 18µH** |
| **Protection class: IP00** | |
| **Extent of operating temperatures: -10°C + 40°C** | |

**SKYTL50-0,25dc**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 50A** |
| **Inductance ± 20%** | **L: 0,25mH** |
| **Protection class: IP54** | |

**SKYTL72-30µH**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 72A** |
| **Inductance ± 20%** | **L: 750µH** |
| **Protection class: IP67** | |

**SKYTL100-0,15**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 100A** |
| **Inductance ± 20%** | **L: 150µH** |
| **Protection class: IP67** | |

**SKYTL130-0,01**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 130A** |
| **Inductance ± 20%** | **L: 10µH** |
| **Protection class: IP00** | |

**SKYTL150-0,075**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 150A** |
| **Inductance ± 20%** | **L: 750µH** |
| **Protection class: IP67** | |

**SKYTL160-0,02-2,2kHz**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 160A** |
| **Inductance ± 20%** | **L: 20µH** |
| **Short-term overcurrent capacity: 50% In** | |
| **Protection class: IP00** | |

**SKYTL200-180µH**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 200A** |
| **Inductance ± 20%** | **L: 180µH** |
| **Short-term overcurrent capacity: 50% In** | |
| **Protection class: IP00** | |

**SKYTL300-7µH**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 300A** |
| **Inductance ± 20%** | **L: 7µH** |
| **Short-term overcurrent capacity: 50% In** | |
| **Protection class: IP00** | |

**SKYTL300-7µH_K**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 300A** |
| **Inductance ± 20%** | **L: 7µH** |
| **Short-term overcurrent capacity: 50% In** | |
| **Protection class: IP00** | |

**SKYTL600-Tr**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Rozsah pracovních kmitočtů fn (pro In)** | **Fn: 50Hz/16,7Hz** |
| **Nominal current** | **In: 600A** |
| **Inductance ± 20%** | **L: 5,6μH** |
| **Short-term overcurrent capacity: 50% In** | |
| **Extent of operating temperatures: -10°C + 60°C** | |

**SKYTL1200-0,03**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 1200A** |
| **Inductance ± 20%** | **L: 0,03mH** |
| **Short-term overcurrent capacity: 50% In** | |
| **Protection class: IP00** | |

**SKYTL2-43**


**TECHNICKÉ PAREMETRY :**

| | |
|---|---|
| **Jmenovitý proud** | **In: 2A** |
| **Indukčnost ± 20%** | **L: 43mH** |
| **Stupeň krytí: IP54** | |

**SKYTL2-60**


**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 2A** |
| **Inductance ± 20%** | **L: 60mH** |
| **Protection class: IP54** | |

**SKYTL2-10**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 2A** |
| **Inductance ± 20%** | **L: 100mH** |
| **Protection class: IP54** | |

**SKYTL4-21**


**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 4A** |
| **Inductance ± 20%** | **L: 21mH** |
| **Protection class: IP54** | |

**SKYTL8-0,04-100kHz**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 8A** |
| **Inductance ± 20%** | **L: 0,04mH** |
| **Protection class: IP20** | |

**SKYTL13**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Inductance ± 20%** | **L: 13mH** |
| **Protection class: IP20** | |

**SKYTL35-0,3**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 35A** |
| **Inductance ± 20%** | **L: 0,3mH** |
| **Protection class: IP54** | |

**SKYTL35-0,3**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 2,5A** |
| **Inductance ± 20%** | **L: 50mH** |
| **Protection class: IP20** | |

**SKYTL8-20**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 8A** |
| **Inductance ± 20%** | **L: 20mH** |
| **Protection class: IP00** | |

**SKYTL20-0,005-40kHz**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 20A** |
| **Inductance ± 20%** | **L: 0,005mH** |
| **Protection class: IP00** | |

**SKYTL85-0,6**

**TECHNICAL PARAMETERS :**

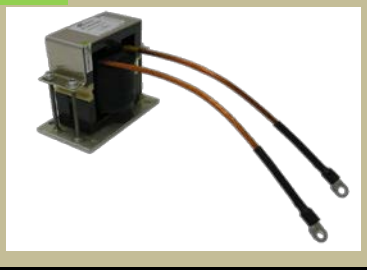
| | |
|---|---|
| **Nominal current** | **In: 85A** |
| **Inductance ± 20%** | **L: 0,6mH** |
| **Protection class: IP20** | |

**SKYTL100-1,5**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 100A** |
| **Inductance ± 20%** | **L: 1,5mH** |
| **Protection class: IP00** | |

**SKYTL30-0,05-100kHz**



**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 30A** |
| **Inductance ± 20%** | **L: 0,05mH** |
| **Protection class: IP00** | |

**SKYTL30-0,1-20kHz**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 30A** |
| **Inductance ± 20%** | **L: 0,1mH** |
| **Protection class: IP00** | |

**SKYTL30-0,2-100kHz**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 30A** |
| **Inductance ± 20%** | **L: 0,2mH** |
| **Protection class: IP00** | |

**SKYTL30-0,25-20kHz**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 30A** |
| **Inductance ± 20%** | **L: 0,25mH** |
| **Protection class: IP00** | |

**SKYTL30-0,5-20kHz**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 30A** |
| **Inductance ± 20%** | **L: 0,5mH** |
| **Protection class: IP00** | |

**SKYTL30-1**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 30A** |
| **Inductance ± 20%** | **L: 1mH** |
| **Protection class: IP00** | |

**SKYTL30-2**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 30A** |
| **Inductance ± 20%** | **L: 2mH** |
| **Protection class: IP00** | |

**SKYTL30-5**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 30A** |
| **Inductance ± 20%** | **L: 5mH** |
| **Protection class: IP00** | |

**SKYTL30-10**

**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 30A** |
| **Inductance ± 20%** | **L: 10mH** |
| **Protection class: IP00** | |

**SKYTL30-20**

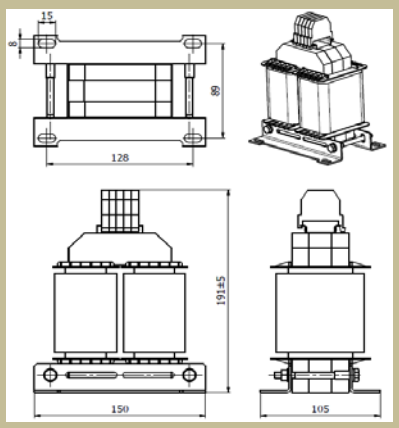
**TECHNICAL PARAMETERS :**

| | |
|---|---|
| **Nominal current** | **In: 30A** |
| **Inductance ± 20%** | **L: 20mH** |
| **Protection class: IP00** | |

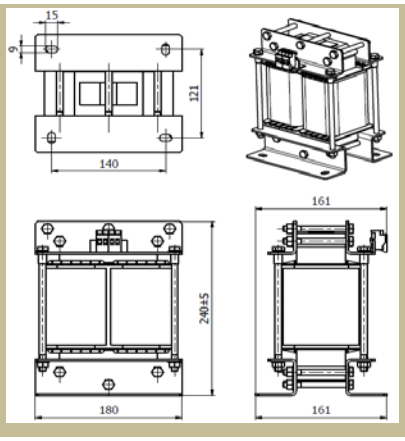
| Type | Nominal current [A] | Inductance ±20% [uH] | Weight [kg] | Conductor cross section [mm 2] | basic dimensions [mm] | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | A | B | C | D | E | F |
| | | | | | length | height | width | pitch | pitch | other |
| **SKYTL2-165** | 2 | 165 | 7,5 | - | 150 | 191 | 105 | 128 | 89 | 8x15 |
| **SKYTL2-248** | 2 | 248 | 8 | - | 150 | 191 | 105 | 128 | 89 | 8x15 |
| **SKYTL7-40** | 7 | 40 | 4,4 | | 180 | 240 | 161 | 140 | 121 | 9x15 |
| **SKYTL7-98** | 7 | 98 | 35 | - | 225 | 300 | 191 | 185/124 | 151 | 18x10 |
| **SKYTL40-0,5u** | 40 | 0,5 mH | 4,4 | radox16 | 172 | 108,8 | 108,5 | 150 | 65 | Ø8,5 |
| **SKYTL40-1u** | 40 | 1 mH | 4,6 | radox10 | 172 | 108,8 | 108,5 | 150 | 65 | Ø8,5 |
| **SKYTL40-18** | 40 | 18 | 1,34 | radox 16 | 133 | 85 | 74,6 | 115 | 40 | Ø8,5 |
| **SKYTL50-0,25dc** | 50 | 0,25 mH | 4,6 | CSA10 | 172 | 108,8 | 108,5 | 150 | 65 | Ø8,5 |
| **SKYTL72-30µH** | 72 | 30 | 1,1 | radox 16 | 112,5 | 71,5 | 59 | 97,5 | 32,5 | 5,2x10 |
| **SKYTL100-0,15** | 100 | 150 | 5 | CSA 50 | 172 | 108,8 | 108,5 | 150 | 65 | Ø8,5 |
| **SKYTL130-0,01** | 130 | 10 | 1,7 | oko 95x10 | 133 | 87 | 147 | 115 | 40 | 5,5x10,5 |
| **SKYTL150-0,075** | 150 | 75 | 4,5 | 20x3 ø 9 | 172 | 108,8 | 108,5 | 150 | 65 | Ø8,5 |
| **SKYTL160-0,02-2kHz** | 160 | 20 | 5 | oko 95x10 | 172 | 131 | 132,5 | 150 | 64 | Ø8,5 |
| **SKYTL200-180µH** | 200 | 180 | 40 | oko 95x10 | 320 | 223 | 256 | 291 | 100 | 11x20 |
| **SKYTL300-7µH** | 300 | 7 | 1,85 | oko 95x10 | 200 | 71,5 | 80 | 97,5 | 32,5 | 5,2x10 |
| **SKYTL300-7µH_K** | 300 | 7 | 1,85 | oko 95x10 | 180 | 71,5 | 80 | 97,5 | 32,5 | 5,2x10 |
| **SKYTL600-Tr** | 600 | 7 | 15 | oko 185x12 | 290 | 200 | 160 | 262 | - | - |
| **SKYTL1200-0,03** | 1200 | 0,03 mH | 50 | oko 800x16x2 | 270 | 345 | 370 | 230 | 180 | 18x10 |
| **SKYTL2-43** | 2 | 43 mH | 1,5 | CSA 1,5 | 133 | 87 | 75 | 115 | 40 | 5,5x10,5 |
| **SKYTL2-60** | 2 | 60 mH | 1,5 | CSA 1,5 | 133 | 87 | 75 | 115 | 40 | 5,5x10,5 |
| **SKYTL2-100** | 2 | 100 mH | 1,5 | CSA 1,5 | 133 | 87 | 75 | 115 | 40 | 5,5x10,5 |
| **SKYTL4-21** | 4 | 21 mH | 1,5 | CSA 1,5 | 133 | 87 | 75 | 114 | 40 | 5,5x10,5 |
| **SKYTL8-0,04-100kHz** | 8 | 40 | 0,3 | oko 10x5 | 82,5 | 48,5 | 43 | 68 | 11 | 3,5x6,7 |
| **SKYTL13** | 13 | 13 mH | 0,2 | 4-6 | 69,5 | 35 | 69 | 60 | - | Ø4,2 |
| **SKYTL35-0,3** | 35 | 0,3 mH | 1 | radox 6 | 112,5 | 71,5 | 59 | 97,5 | 32,5 | 5,2x10 |
| **SKYTL2,5-50** | 2,5 | 50 mH | 5 | 4-6 | 172 | 120 | 109 | 150 | 65 | Ø8,5 |
| **SKYTL8-20** | 8 | 20 mH | 2,6 | Cu 2,8x1,2 | 156 | 100 | 89 | 128 | 73 | Ø8,5 |
| **SKYTL20-0,005-40kHz** | 20 | 5 | 0,35 | PIN | 55 | 56 | 46 | - | - | - |
| **SKYTL85-0,6** | 85 | 0,6 mH | 5 | 16 | 172 | 158 | 129 | 150 | 85 | Ø8,5 |
| **SKYTL100-1,5** | 100 | 1,5 mH | 11,5 | oko 50x10 | 180 | 238 | 192 | 140 | 120 | 15x9 |
| **SKYTL30-0,05-100kHz** | 30 | 50 | 1,9 | oko 16x6 | 114 | 102 | 65 | 86 | 53 | Ø7 |
| **SKYTL30-0,1-20kHz** | 30 | 0,1 mH | 2,1 | M5 | 156 | 130 | 107 | 128 | 73 | Ø8,5 |
| **SKYTL30-0,2-100kHz** | 30 | 0,2 mH | 6,2 | oko 65x8 | 175 | 145 | 110 | 147 | 92 | Ø8,5 |
| **SKYTL30-0,25-20kHz** | 30 | 0,25 mH | 4,4 | oko 16x8 | 169 | 138 | 133 | 150 | 65 | Ø7 |
| **SKYZL30-0,5-20kHz** | 30 | 0,5 mH | 5,8 | oko 16x8 | 169 | 138 | 161 | 150 | 93 | Ø7 |
| **SKYTL30-1** | 30 | 1 mH | 6,3 | oko 25x8 | 172 | 109 | 162 | 150 | 85 | Ø8,5 |
| **SKYTL30-2** | 30 | 2 mH | 6,8 | radox 10 | 159 | 100 | 135 | 131 | 117 | Ø8,5 |
| **SKYTL30-5** | 30 | 5 mH | 9,2 | oko 25x8 | 142 | 181 | 151 | 106 | 96 | 9x14 |
| **SKYTL30-10** | 30 | 10 mH | 16,5 | oko 25x8 | 180 | 243 | 175 | 140 | 120 | 9x15 |
| **SKYTL30-20** | 30 | 20 mH | 28,5 | oko 16x6 | 225 | 198 | 212 | 185 | 160 | 10x18 |

* After a deal there is a possibility of modification of the filter construction according to the customer's request.

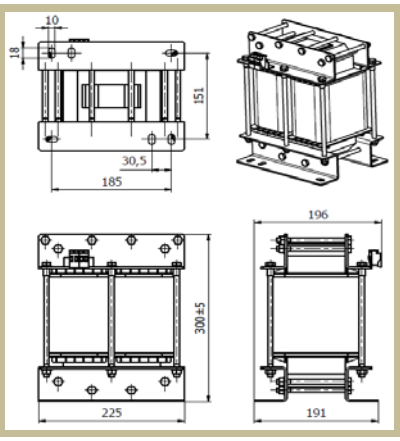
**Dimensional drawing: SKYTL2-165, SKYTL2-248**



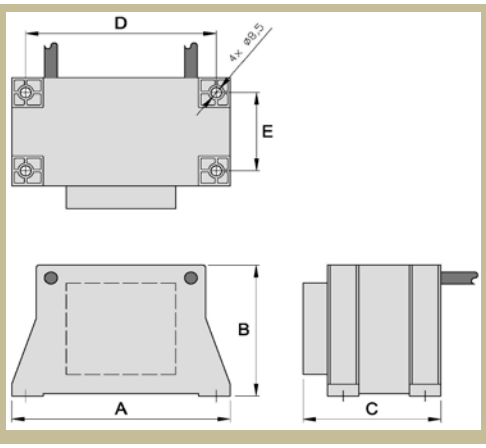
**Dimensional drawing: SKYTL7-40**



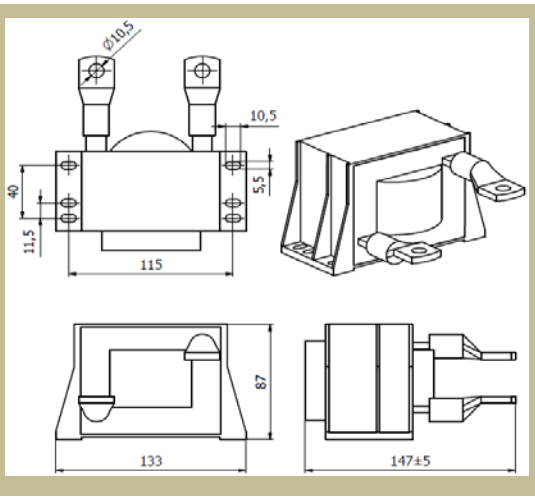

**Dimensional drawing :SKYTL7-98**



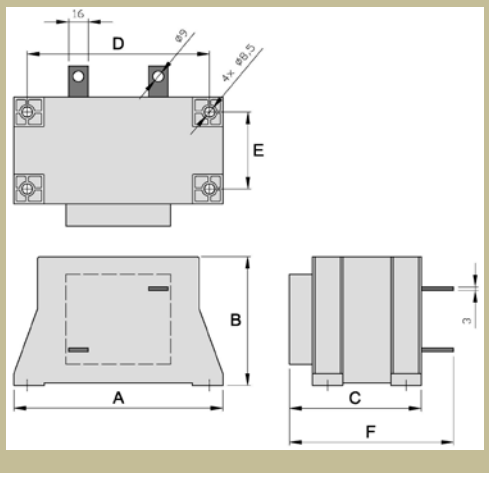

**Dimensional drawing: SKYTL40-0,5u, SKYTL40-1u, SKYTL100-0,15, SKYTL50-0,25dc**



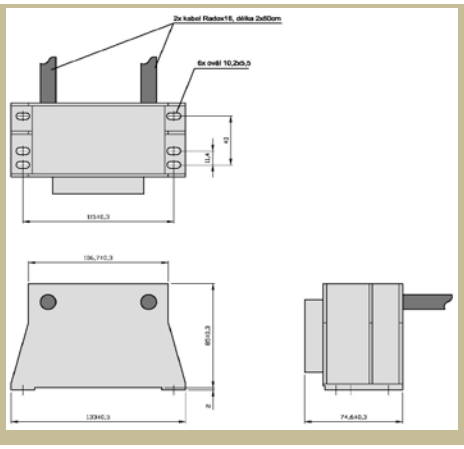

**Dimensional drawing : SKYTL130-0,01**



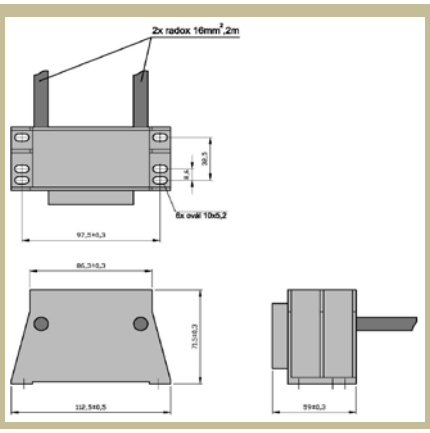
**Dimensional drawing: SKYTL150-0,075**



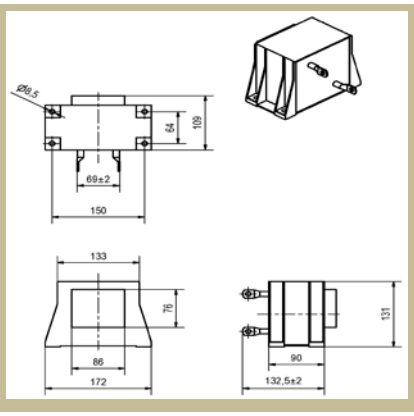

**Dimensional drawing: SKYTL40-18**



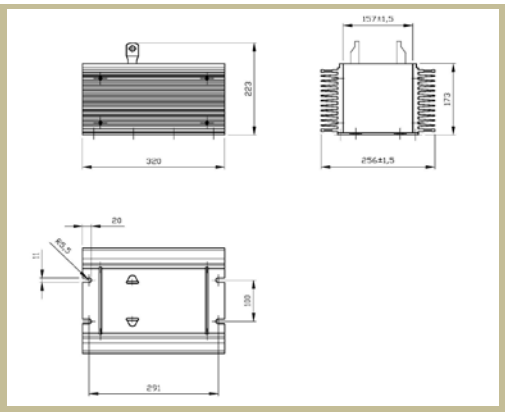

**Dimensional drawing : SKYTL72-30µH**



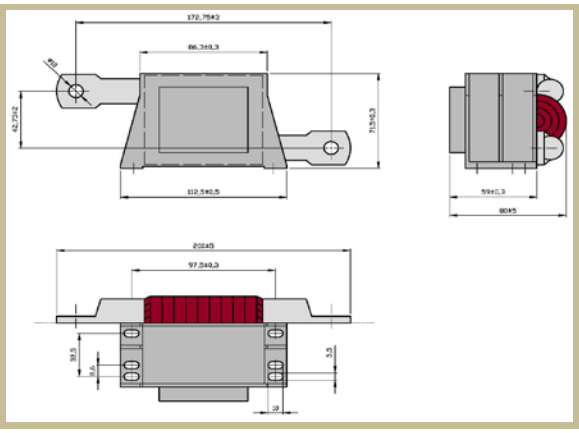

**Rozměrový nákres : SKYTL160-0,02-2,2kHz**



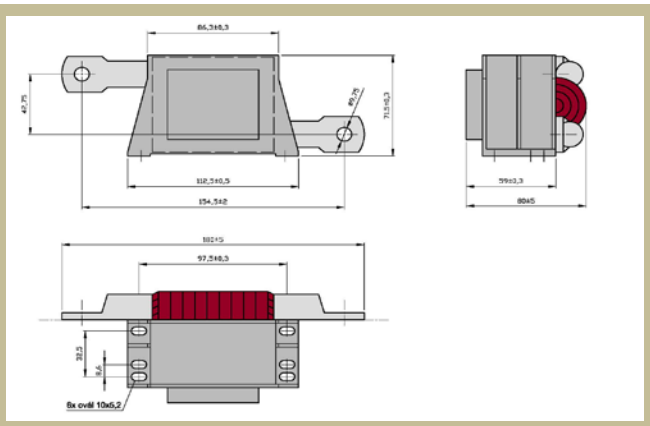
**Dimensional drawing: SKYTL200-180µH**



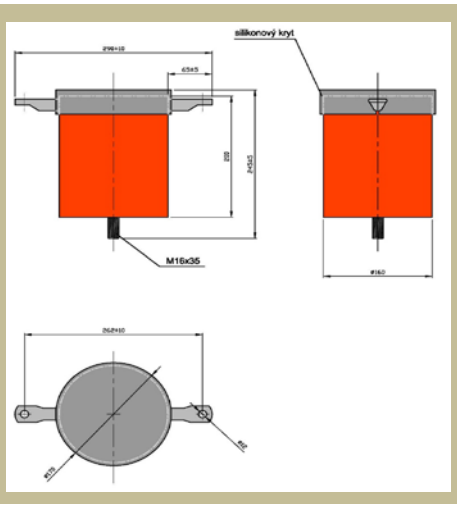
**Dimensional drawing: SKYTL300-7µH**



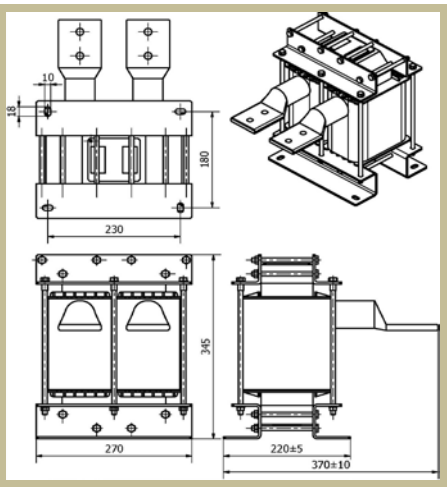
**Dimensional drawing: SKYTL300-7µH_K**



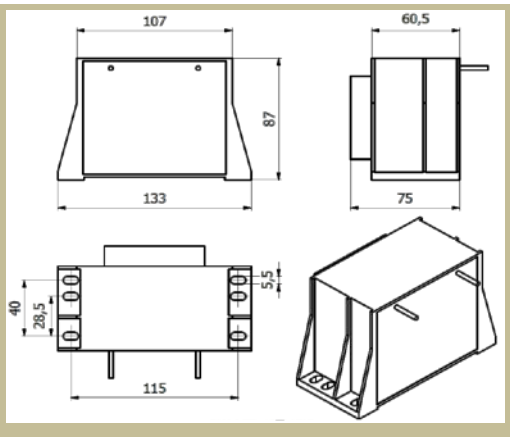

**Dimensional drawing : SKYTL600-Tr**



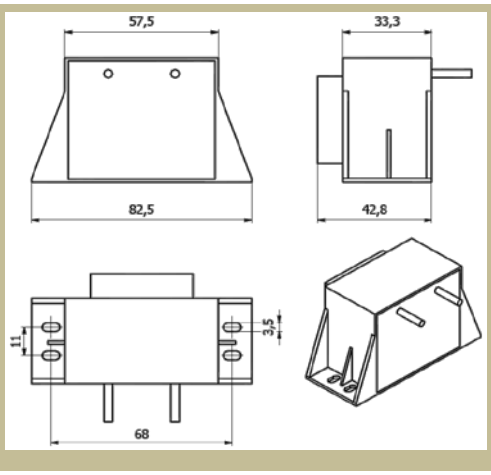
**Dimensional drawing : SKYTL1200-0,03**



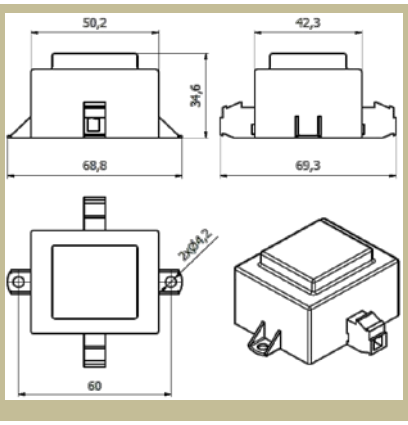

**Dimensional drawing: SKYTL2-43, SKYTL2-60, SKYTL2-100. SKYTL4-21**



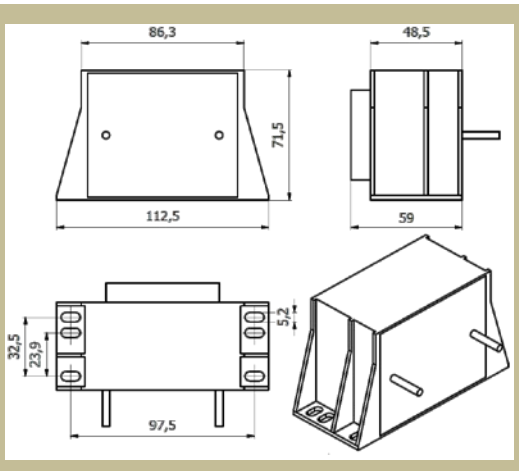

**Dimensional drawing : SKYTL8-0,04-100kHz**



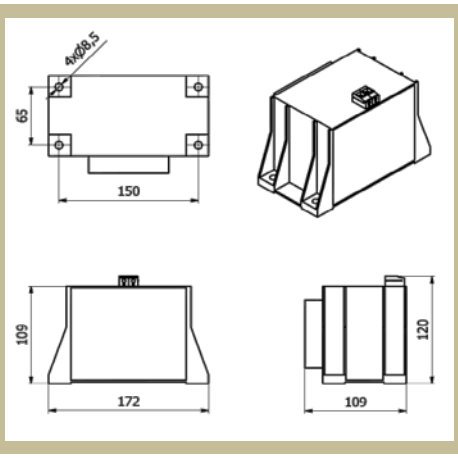

**Dimensional drawing: SKYTL13**



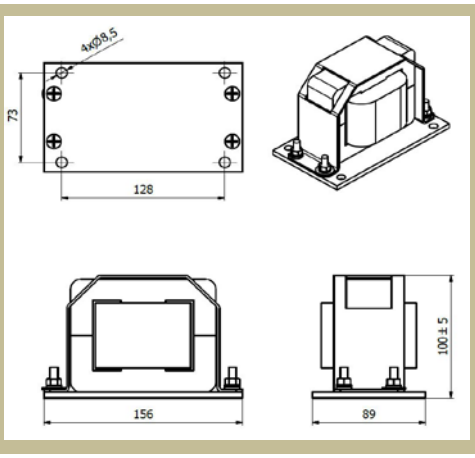
**Dimensional drawing: SKYTL35-0,3**



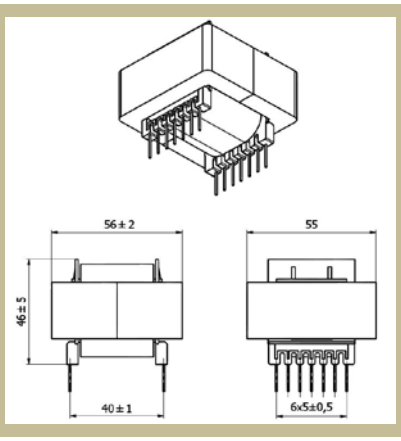

**Dimensional drawing : SKYTL2,5-50**



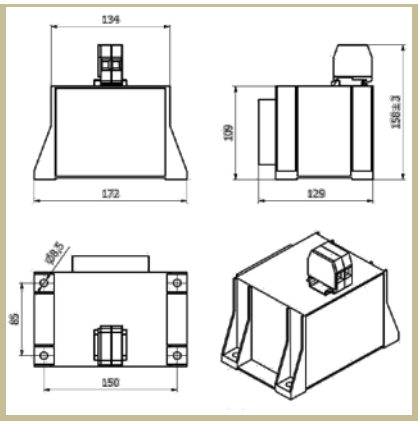

**Dimensional drawing: SKYTL8-20**



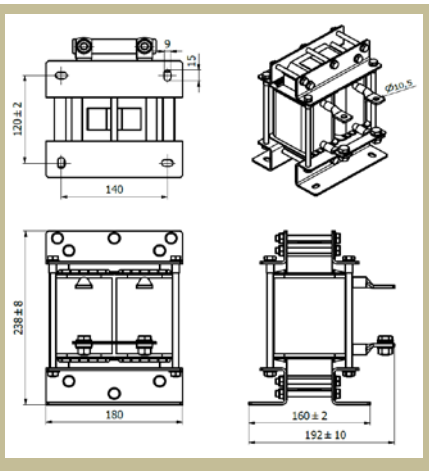

**Dimensional drawing : SKYTL20-0,005-40kHz**



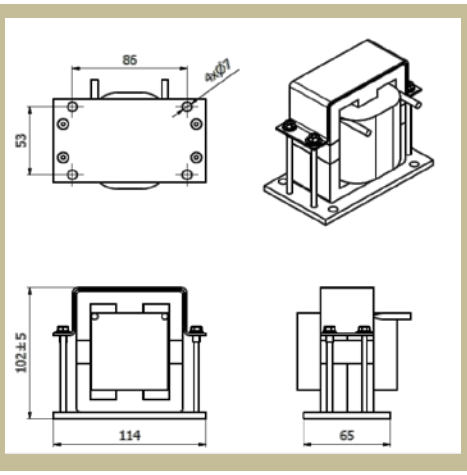
**Dimensional drawing: SKYTL85-0,6**



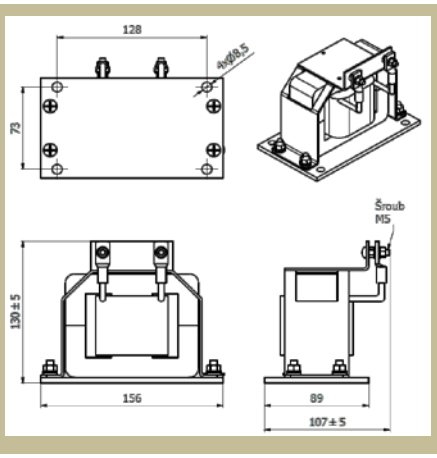

**Dimensional drawing : SKYTL100-1,5**



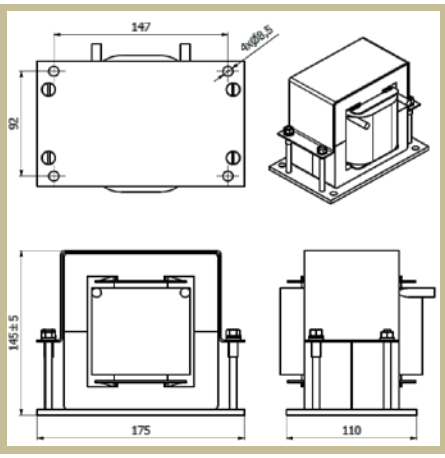

**Dimensional drawing:SKYTL30-0,05-100kHz**



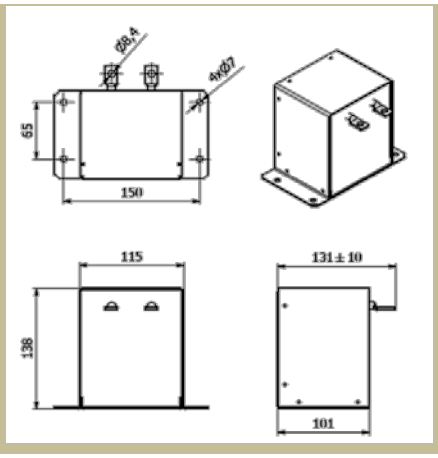

**Dimensional drawing : SKYTL30-0,1-20kHz**



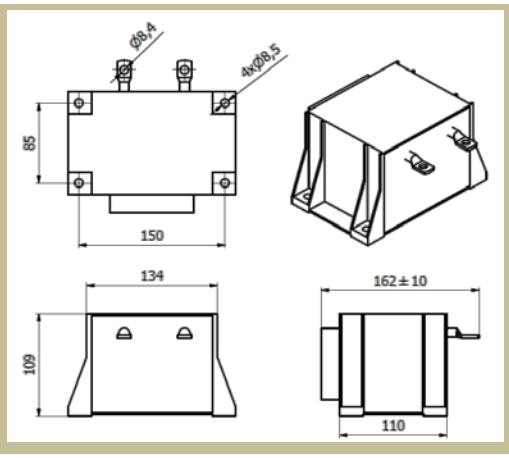
**Dimensional drawing : SKYTL30-0,2-100kHz**



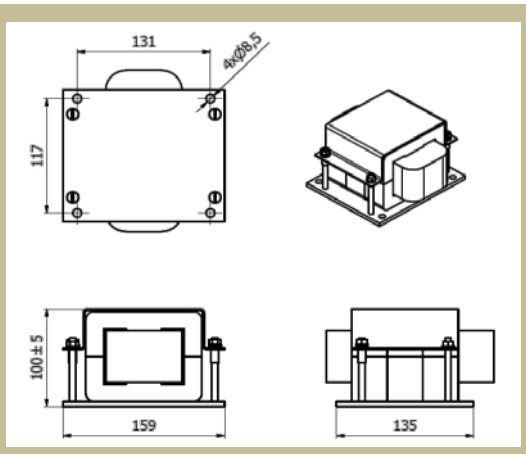

**Dimensional drawing : SKYTL30-0,25-20kHz, SKYTL30-0,5-20kHz**



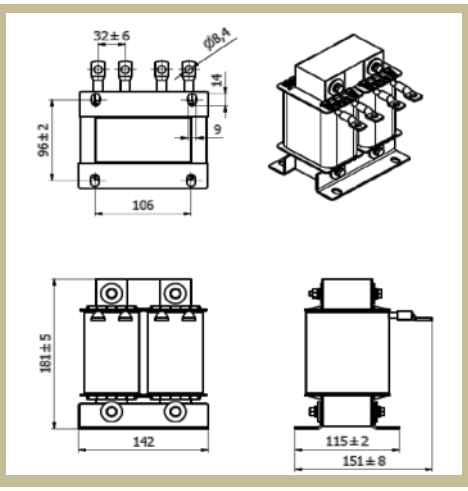

**Dimensional drawing: SKYTL30-1**



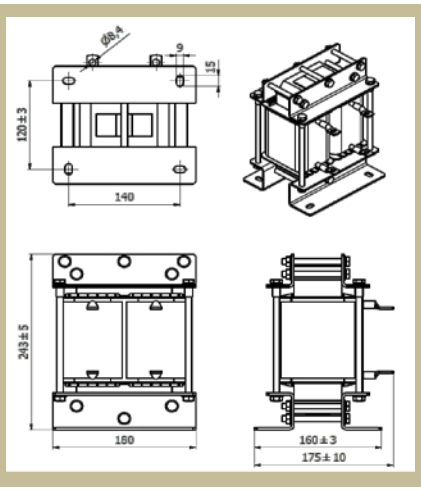

**Dimensional drawing: SKYTL30-2**



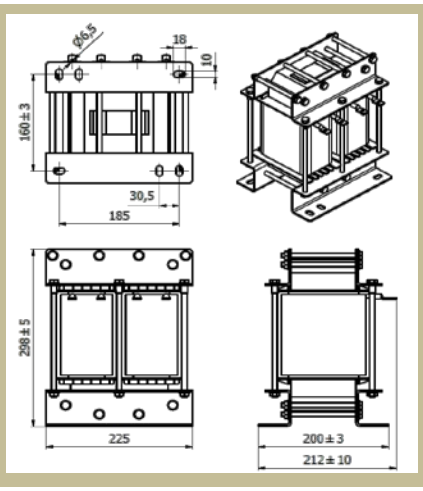
**Dimensional drawing: SKYTL30-5**




**Dimensional drawing: SKYTL30-10**




**Dimensional drawing: SKYTL30-20**




**Use:**

They are intended for universal application.

**Dimensioning, wiring:**

They are dimensioned according to the indicated label nominal voltage and current values. Short-circuit protection of the choke must not exceed nominal current value. When installing into switchboards it is necessary to count with power loss which depends on used application.