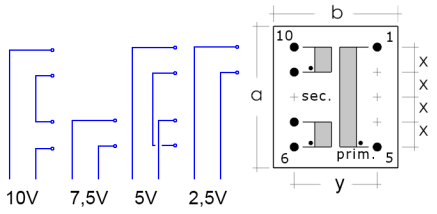
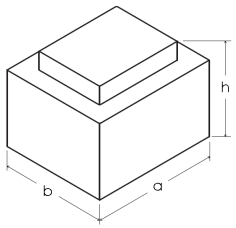
## SVL series - voltage transformers - 90V...440V

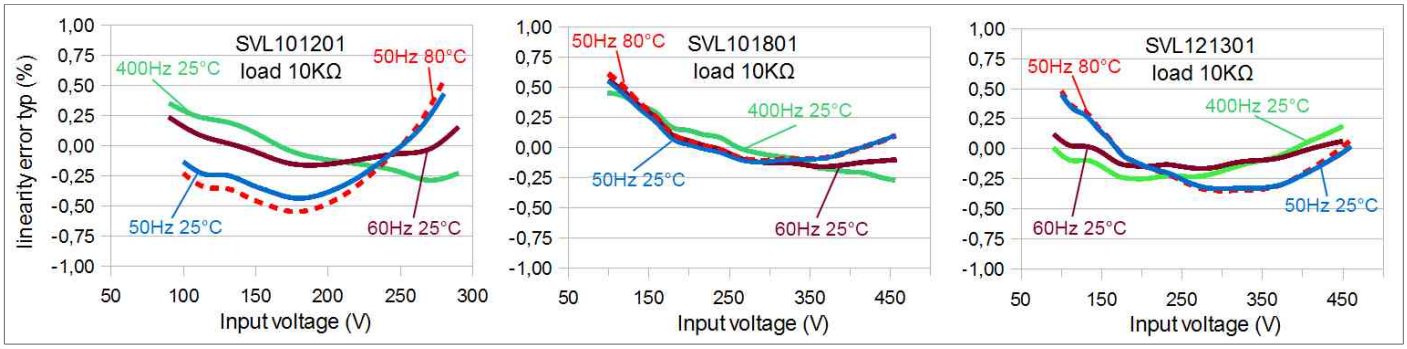
- High precision, 50...400Hz voltage measuring transformers
- Multi output voltage level
- Short circuit proof safety transformers, compliant to EN61558-1 and EN61558-2-6 up to the Max permissible input voltage[3]
- Max ambient temperature 80°C
- Encapsulation in epoxy resin
- Marking on primary side
- Tin-plated phosphor bronze pins
- Pins size: Ø 0,9 mm typ , length 4mm min
- Only electrically used pins are mounted
- 100% tested
- Custom-made versions on request


**ta80/B**

| Code | Voltage input | | Precision range | Linearity error[1] | | Phase error[2] | | Voltage output | Recom-mended Load | Pri/Sec Dielectric strength |
|---|---|---|---|---|---|---|---|---|---|---|
| | Nominal | Permissible range | | Typical | Max | Typical | Max | (@nominal V input) | | |
| SVL101201 | 230V | 0...300V | 90...265V | <±0.40% | <±0.65% | <±1.00° | <±1.70° | 2,5-5,0-7,5-10V | 10KΩ | 5.0KV |
| SVL101801[3] | 400V | 0...500V | 180...440V | <±0.25% | <±0.50% | <±0.60° | <±1.00° | 2,5-5,0-7,5-10V | 10KΩ | 5.0KV |
| SVL121301 | 400V | 0...500V | 180...440V | <±0.25% | <±0.50% | <±0.75° | <±1.20° | 2,5-5,0-7,5-10V | 10KΩ | 5.0KV |

| Dimensions (mm) | SVL101201 | SVL101801 | SVL121301 | Layout (bottom view) | Drawing |
|---|---|---|---|---|---|
| a max | 32,6 | 33,1 | 41,5 |  |  |
| b max | 28,0 | 28,6 | 35,5 | | |
| h max | 24,3 | 29,7 | 27,5 | | |
| x typ | 5,0 | 5,0 | 5,0 | | |
| y typ | 20,0 | 20,0 | 25,0 | | |






[1] *Max errors at 50Hz (@25°C) .*
[2] *For phase shift error compensation please contact our technical dept .*
[3] *The compliance of SVL101801 to EN61558-1 and EN61558-2-6 standard is limited for use up to 300V max primary voltage. It can be used above 300V where the compliance to EN61558-1 and EN61558-2-6 is not required.*