

overview SE tube driven line output transformers

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Summit technology stands for the use of oversize cores, special dielectric materials and the know-how acquired through lengthy technical research and acoustic testing. "In house" developed methods (f.e. Vari-lay) and special winding schemes optimize leakage inductance, parasitic capacitance and transient response to an unparalleled degree. Monolith Magnetics "Summit products" offer the best performance available on the market.

- **Applicable in a wide range of line output and interstage circuits**
- **2 ratios per transformer by series / parallel connection of secondary sections**
- **high output level, very large bandwidth, available in different core materials**
- **attractive matte black textured steel housing**

ELECTRICAL DATA

type	ratio *	core material	Max primary dc current **	primary inductance at 10V/50Hz	Max plate resistance Ri driver tube ***	Max OP level @25Hz	bandwidth -3dB **** (balanced operation)
SLX-01/10	4:1 and 8:1	nano-X	10 mA	120 H	20 kΩ	22,2/11V rms	4:1 ratio (sec termination = 3,3 kΩ) < 20 - 117.000 Hz
SL-01/20	4:1 and 8:1	FeSi	20 mA	80 H	12 kΩ	50/25V rms	
SL-01/40	4:1 and 8:1	FeSi	40 mA	50 H	8 kΩ	50/25V rms	
SLA-01/20	4:1 and 8:1	Amorph	20 mA	44 H	7 kΩ	28,5/14,2V rms	8:1 ratio (sec termination = 820 Ω) < 20 - 177.000 Hz
SLA-01/40	4:1 and 8:1	Amorph	40 mA	28 H	4,5 kΩ	28,5/14,2V rms	
SLX-01/20	4:1 and 8:1	nano-X	20 mA	40 H	6 kΩ	28,5/14,2V rms	
SLX-01/40	4:1 and 8:1	nano-X	40 mA	25 H	3,5 kΩ	28,5/14,2V rms	
SLX-02/10	2:1 and 4:1	nano-X	10 mA	120 H	20 kΩ	44,4/22V rms	2:1 ratio (sec termination = 4,7 kΩ) < 20 - 81.000 Hz
SL-02/20	2:1 and 4:1	FeSi	20 mA	80 H	12 kΩ	100/50V rms	
SL-02/40	2:1 and 4:1	FeSi	40 mA	50 H	8 kΩ	100/50V rms	
SLA-02/20	2:1 and 4:1	Amorph	20 mA	44 H	7 kΩ	57/28,4V rms	4:1 ratio (sec termination = 1,5 kΩ) < 20 - 117.000 Hz
SLA-02/40	2:1 and 4:1	Amorph	40 mA	28 H	4,5 kΩ	57/28,4V rms	
SLX-02/20	2:1 and 4:1	nano-X	20 mA	40 H	6 kΩ	57/28,4V rms	
SLX-02/40	2:1 and 4:1	nano-X	40 mA	25 H	3,5 kΩ	57/28,4V rms	

* Transformers with other winding ratios can be realized as a custom product

** Air gap can be custom set for a slightly higher or lower DC current

*** The low-frequency -3dB point is determined by the primary inductance of the transformer and the internal resistance of the driver tube. At the specified value, the -3dB point is at 20 Hz, lower Ri shifts this point to an even lower frequency.

**** Specified bandwidth is "worst case", measured at the highest allowed driver plate resistance

SIZE AND WEIGHT

black steel housing type CASE-0 94 x 80 mm height 101,0 mm weight approx 2,4 kg