







-  Designed for switching power supply applications
-  1 turn primary peak current is 20A maximum
-  Frequency range: 20kHz to 200kHz
-  Transformer meets IEC950 insulation requirements
-  Operating temperature 0°C to +150°C
-  RoHS compliant versions are available

ELECTRICAL SPECIFICATION @ 25°C

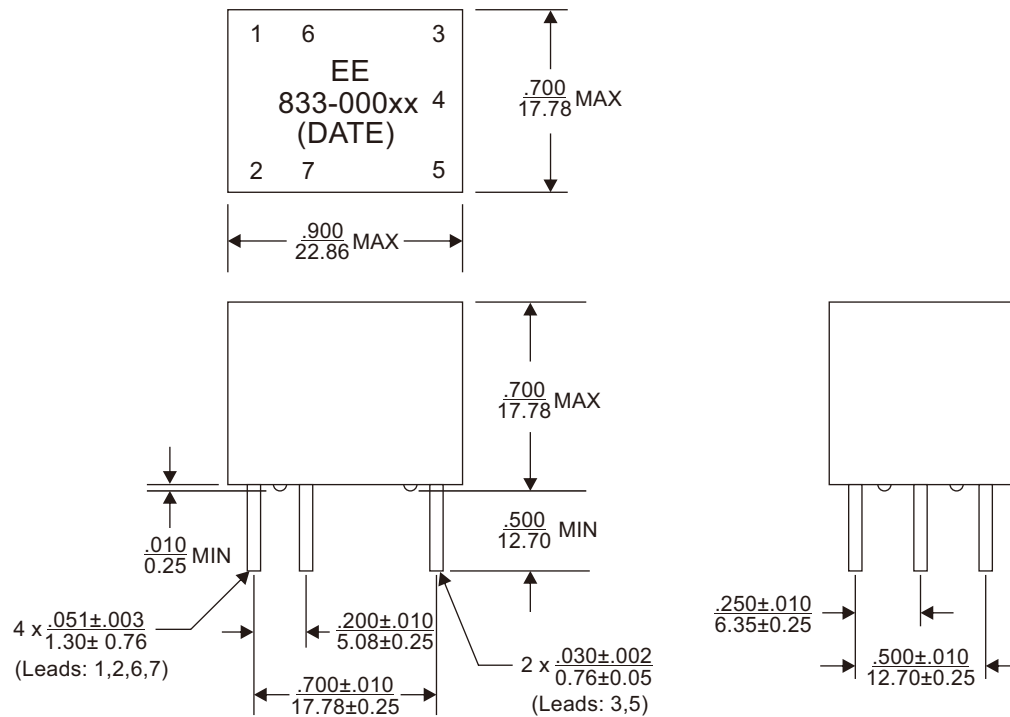
Transformer With 2x1turn Primary		Transformer With 1turn Primary		Inductor Without Primary		Turns	Secondary Inductance ²	Inductance Test voltage	Rs	Rt	Primary ³ Unipolar Amp uSec Rating	Primary ³ Bipolar Amp uSec Rating
Part Number	Schem.	Part Number	Schem.	Part Number	Schem.	Ns	(mH) Min.	(V)	(Ω) MAX	(Ω) NOM	Max.	Max.
—	—	833-00020 ¹	A	833-00036 ¹	E	50	5	0.5	0.7	50	150	300
—	—	833-00021 ¹	A	833-00037 ¹	E	100	20	1.0	1.4	100	300	600
833-00030 ¹	C	833-00022 ¹	A	833-00038 ¹	E	200	80	2.0	4.5	200	600	1200
833-00032 ¹	D	—	—	833-00039 ¹	F	50CT	5	0.5	0.7	50	150	300
833-00033 ¹	D	—	—	833-00040 ¹	F	100CT	20	1.0	1.4	100	300	600
833-00034 ¹	D	833-00026 ¹	B	833-00041 ¹	F	200CT	80	2.0	4.5	200	600	1200
—	—	833-00027 ¹	B	—	—	300CT	180	3.0	11.0	300	900	1800

Notes:

1. For ROHS compliant version please contact EEMPL.
2. Inductance is tested at 15.75kHz.
3. Maximum rating specified with rated secondary terminating resistance and 1 turn primary.
4. Amp-microsecond(AuSec.) rating of primary equals Volt-microsecond(V-uSec.) rating of secondary when secondary is terminated in rated resistance, (Amp-microseconds is equal to the product of a square pulse of current in amps, times the current pulse width in microseconds).

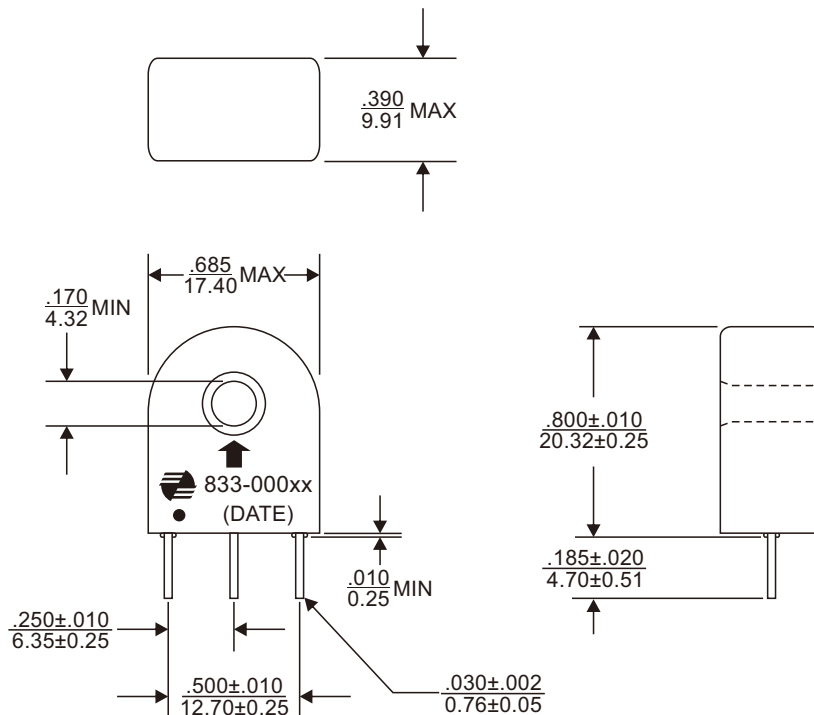


MECHANICAL DIMENSIONS



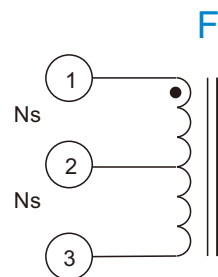
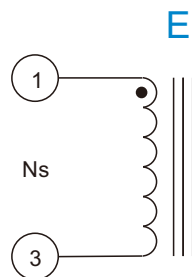
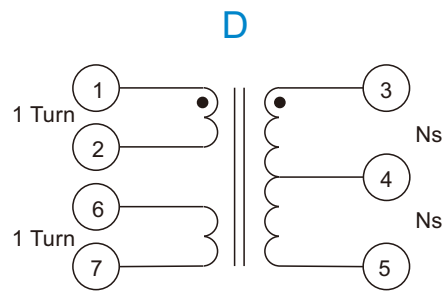
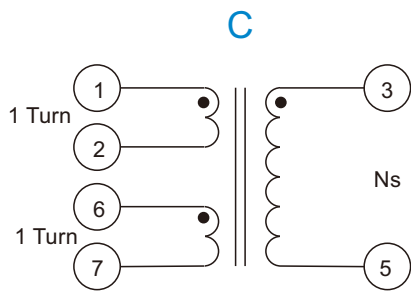
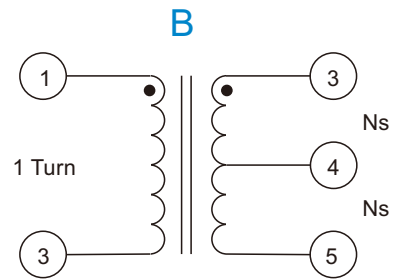
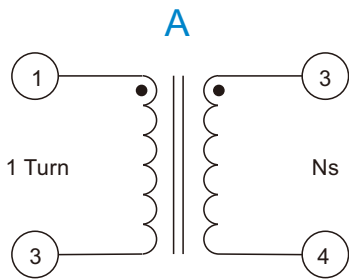
Notes:

- All dimensions are specified in inches with higher precedence in mm.
- Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$.





SCHMATIC



FOR MORE INFORMATION, PLEASE CONTACT

HEADQUARTER

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