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### ***Key Features:***

- Toroidal transformer benefits:
  - low profile
  - lightweight
  - cool running / high efficiency
  - due to the core shape - low stray magnetic flux leakage (low EMI)
- Dual 117/234 VAC primary, 50/60 Hz. operation.
- **Note:** Units are designed to have all windings engaged (either series or parallel connected) or connected as an autotransformer. Connection sheet included with transformer - download [1182 connection data](#) PDF (527K) here.
- Supplied with two rubber insulating pads, one metal centering washer and all mounting hardware (except the 1,500 VA size).
- 1,500 VA size - is supplied with a potted center for extra strength.
- Center bolt size varies with VA size - [see mechanical data tables](#) and/or PDF data sheets (below).
- Minimum 8" long flexible leads
- Manufactured using Class B (130 degree C) materials.
- Hi-Pot test of 4,000VAC RMS between primary & secondary
- UL recognized to UL506 (XPTQ2.Guide) UL file #E207860
- CSA certified to C22.2 #66 - CSA file #209651
- CE compliant to IEC 61558-2-4
- This series replaces our older ["182" Toroid series](#)
- **Note about Inrush Current:**





Due to the superior magnetic properties of Toroidal transformers they will be susceptible to high magnetizing current when initially energized, only limited by the low DC resistance of the primary winding. Depending on where you are in the AC cycle when the transformer is energized dictates the chances of overloading the supply circuit. This is why the transformer may sometimes energize without a problem and

other times it will blow the fuse or trip the circuit breaker. The duration of this overload is rarely longer than a half of a cycle. Therefore, you should consider using a slow-blow fuse, time delayed circuit breaker or other form of soft start circuitry for the supply line when using these high efficient Toroidal transformers.


















Part Number	VA	VAC Secondary (RMS)		Dual or Single Secondary	% Voltage Regulation	Toroid Center	Data Sheet 	Dim. Ref
		Series	Parallel					
<b>1182L6</b>	30	12V C.T. @ 2.5A	6V @ 5A	Dual	11.7%	Open	 238K	<b>B</b>
<b>1182N6</b>	50	12V C.T. @ 4.17A	6V @ 8.34A	Dual	12.6%	Open	 239K	<b>C</b>
<b>1182Q6</b>	80	12V C.T. @ 6.67A	6V @ 13.34A	Dual	9.7%	Open	 242K	<b>D</b>
<b>1182K9</b>	30	18V C.T. @ 1.67A	9V @ 3.34A	Dual	12.8%	Open	 238K	<b>B</b>
<b>1182M9</b>	50	18V C.T. @ 2.78A	9V @ 5.56A	Dual	13.2%	Open	 239K	<b>C</b>
<b>1182N9</b>	80	18V C.T. @ 4.44A	9V @ 8.88A	Dual	10.5%	Open	 239K	<b>D</b>
<b>1182Q9</b>	120	18V C.T. @ 6.67A	9V @ 13.34A	Dual	9.0%	Open	 226K	<b>E</b>
<b>1182K12</b>	30	24V C.T. @ 1.25A	12V @ 2.5A	Dual	11.7%	Open	 237K	<b>B</b>
<b>1182L12</b>	50	24V C.T. @ 2.08A	12V @ 4.16A	Dual	12.6%	Open	 238K	<b>C</b>
<b>1182M12</b>	80	24V C.T. @ 3.33A	12V @ 6.66A	Dual	9.7%	Open	 238K	<b>D</b>
<b>1182P12</b>	120	24V C.T. @ 5A	12V @ 10A	Dual	7.7%	Open	 224K	<b>E</b>
<b>1182Q12</b>	160	24V C.T. @ 6.67A	12V @ 13.34A	Dual	7.7%	Open	 224K	<b>F</b>
<b>1182S12</b>	225	24V C.T. @ 9.38A	12V @ 18.76A	Dual	7.2%	Open	 226K	<b>G</b>
<b>1182T12</b>	300	24V C.T. @ 12.5A	12V @ 25A	Dual	7.1%	Open	 223K	<b>H</b>
<b>1182J15</b>	30	30V C.T. @ 1A	15V @ 2A	Dual	12.3%	Open	 238K	<b>B</b>

<b>1182K15</b>	50	30V C.T. @ 1.67A	15V @ 3.34A	Dual	13.0%	Open	 238K	<b>C</b>
<b>1182M15</b>	80	30V C.T. @ 2.67A	15V @ 5.34A	Dual	10.2%	Open	 239K	<b>D</b>
<b>1182N15</b>	120	30V C.T. @ 4A	15V @ 8A	Dual	8.5%	Open	 223K	<b>E</b>
<b>1182P15</b>	160	30V C.T. @ 5.33A	15V @ 10.66A	Dual	7.0%	Open	 222K	<b>F</b>
<b>1182H15</b>	225	30V C.T. @ 7.5A	15V @ 15A	Dual	7.2%	Open	 165K	<b>G</b>
<b>1182S15</b>	300	30V C.T. @ 10A	15V @ 20A	Dual	5.0%	Open	 226K	<b>H</b>
<b>1182H18</b>	30	36V C.T. @ 0.83A	18V @ 1.66A	Dual	12.2%	Open	 238K	<b>B</b>
<b>1182J18</b>	50	36V C.T. @ 1.39A	18V @ 2.78A	Dual	13.8%	Open	 226K	<b>C</b>
<b>1182L18</b>	80	36V C.T. @ 2.22A	18V @ 4.44A	Dual	10.5%	Open	 240K	<b>D</b>
<b>1182M18</b>	120	36V C.T. @ 3.33A	18V @ 6.66A	Dual	7.7%	Open	 224K	<b>E</b>
<b>1182N18</b>	160	36V C.T. @ 4.44A	18V @ 8.88A	Dual	7.7%	Open	 222K	<b>F</b>
<b>1182G18</b>	225	36V C.T. @ 6.25A	18V @ 12.5A	Dual	7.3%	Open	 166K	<b>G</b>
<b>1182G22</b>	30	44V C.T. @ 0.68A	22V @ 1.36A	Dual	12.6%	Open	 240K	<b>B</b>
<b>1182J22</b>	50	44V C.T. @ 1.14A	22V @ 2.28A	Dual	14.2%	Open	 238K	<b>C</b>
<b>1182L22</b>	80	44V C.T. @ 1.82A	22V @ 3.64A	Dual	10.4%	Open	 238K	<b>D</b>
<b>1182M22</b>	120	44V C.T. @ 2.73A	22V @ 5.46A	Dual	8.4%	Open	 223K	<b>E</b>
<b>1182N22</b>	160	44V C.T. @ 3.64A	22V @ 7.28A	Dual	8.4%	Open	 222K	<b>F</b>
<b>1182P22</b>	225	44V C.T. @ 5.11A	22V @ 10.22A	Dual	6.4%	Open	 223K	<b>G</b>

<b>1182S24</b>	500	48V C.T. @ 10.42A	24V @ 20.82A	Dual	5.1%	Open	 225K	<b>I</b>
<b>1182T24</b>	625	48V C.T. @ 13.02A	24V @ 26.04A	Dual	3.3%	Open	 225K	<b>J</b>
<b>1182U24</b>	750	48V C.T. @ 15.63A	24V @ 31.26A	Dual	3.6%	Open	 237K	<b>K</b>
<b>1182V24</b>	1,000	48V C.T. @ 20.8A	24V @ 41.7A	Dual	2.2%	Open	 238K	<b>L</b>
<b>1182K30</b>	80	60V C.T. @ 1.33A	30V @ 2.66A	Dual	9.7%	Open	 241K	<b>D</b>
<b>1182L30</b>	120	60V C.T. @ 2A	30V @ 4A	Dual	7.7%	Open	 225K	<b>E</b>
<b>1182M30</b>	160	60V C.T. @ 2.67A	30V @ 5.34A	Dual	7.7%	Open	 224K	<b>F</b>
<b>1182F30</b>	225	60V C.T. @ 3.75A	30V @ 7.5A	Dual	6.3%	Open	 166K	<b>G</b>
<b>1182P30</b>	300	60V C.T. @ 5A	30V @ 10A	Dual	6.1%	Open	 227K	<b>H</b>
<b>1182R30</b>	500	60V C.T. @ 8.33A	30V @ 16.66A	Dual	4.8%	Open	 226K	<b>I</b>
<b>1182S30</b>	625	60V C.T. @ 10.42A	30V @ 20.84A	Dual	4.1%	Open	 229K	<b>J</b>
<b>1182T30</b>	750	60V C.T. @ 12.5A	30V @ 25A	Dual	3.1%	Open	 241K	<b>K</b>
<b>1182U30</b>	1,000	60V C.T. @ 16.7A	30V @ 33.3A	Dual	2.2%	Open	 242K	<b>L</b>
<b>1182V40P</b>	1,500	80V C.T. @ 18.8A	40V @ 37.5A	Dual	3.7%	Potted	 243K	<b>M</b>

Part Number	VA	VAC Secondary (RMS)		Dual or Single Secondary	% Voltage Regulation	Toroid Center	Data Sheet 	Dim. Ref
		Series	Parallel					
<b>1182L60</b>	300	120V C.T. @ 2.5A	60V @ 5A	Dual	6.1%	Open	 226K	<b>H</b>
<b>1182N60</b>	500	120V C.T. @ 4.17A	60V @ 8.34A	Dual	4.8%	Open	 226K	<b>I</b>
<b>1182P60</b>	625	120V C.T. @ 5.21A	60V @ 10.42A	Dual	4.1%	Open	 226K	<b>J</b>

							226K	
<b>1182Q60</b>	750	120V C.T. @ 6.25A	60V @ 12.5A	Dual	4.1%	Open	 244K	<b>K</b>
<b>1182R60</b>	1,000	120V C.T. @ 8.3A	60V @ 16.7A	Dual	2.8%	Open	 243K	<b>L</b>
<b>1182T60P</b>	1,500	120V C.T. @ 12.5A	60V @ 25A	Dual	3.0%	Potted	 245K	<b>M</b>
<b>1182E110</b>	30	220V C.T. @ 136ma	110V @ 272ma	Dual	13.1%	Open	 238K	<b>B</b>
<b>1182G110</b>	50	220V C.T. @ 227ma	110V @ 454ma	Dual	14.1%	Open	 242K	<b>C</b>
<b>1182H110</b>	80	220V C.T. @ 364ma	110V @ 728ma	Dual	10.5%	Open	 239K	<b>D</b>
<b>1182J110</b>	120	220V C.T. @ 545ma	110V @ 1.09A	Dual	8.4%	Open	 224K	<b>E</b>
<b>1182K110</b>	160	220V C.T. @ 727ma	110V @ 1.45A	Dual	8.0%	Open	 222K	<b>F</b>
<b>1182L110</b>	225	220V C.T. @ 1.02A	110V @ 2.04A	Dual	6.1%	Open	 224K	<b>G</b>
<b>1182M110</b>	300	220V C.T. @ 1.36A	110V @ 2.72A	Dual	6.1%	Open	 225K	<b>H</b>
<b>1182P110</b>	500	220V C.T. @ 2.27A	110V @ 4.54A	Dual	4.7%	Open	 225K	<b>I</b>
<b>1182Q110</b>	625	220V C.T. @ 2.84A	110V @ 5.68A	Dual	3.7%	Open	 229K	<b>J</b>
<b>1182R110</b>	750	220V C.T. @ 3.41A	110V @ 6.82A	Dual	3.1%	Open	 241K	<b>K</b>
<b>1182S110</b>	1,000	220V C.T. @ 4.5A	110V @ 9.1A	Dual	3.2%	Open	 243K	<b>L</b>
<b>1182U110P</b>	1,500	220V C.T. @ 6.8A	110V @ 13.6A	Dual	1.9%	Potted	 245K	<b>M</b>
<b>1182E117</b>	30	234V C.T. @ 128ma	117V @ 256ma	Dual	12.4%	Open	 237K	<b>B</b>
<b>1182G117</b>	50	234V C.T. @ 214ma	117V @ 428ma	Dual	13.4%	Open	 241K	<b>C</b>
<b>1182H117</b>	80	234V C.T. @ 342ma	117V @ 684ma	Dual	10.0%	Open	 238K	<b>D</b>

<b>1182J117</b>	120	234V C.T. @ 513ma	117V @ 1.02A	Dual	8.0%	Open	 223K	<b>E</b>
<b>1182K117</b>	160	234V C.T. @ 684ma	117V @ 1.37A	Dual	7.6%	Open	 222K	<b>F</b>
<b>1182L117</b>	225	234V C.T. @ 0.96A	117V @ 1.92A	Dual	6.0%	Open	 223K	<b>G</b>
<b>1182M117</b>	300	234V C.T. @ 1.28A	117V @ 2.56A	Dual	5.8%	Open	 224K	<b>H</b>
<b>1182N117</b>	500	234V C.T. @ 2.14A	117V @ 4.28A	Dual	4.7%	Open	 223K	<b>I</b>
<b>1182P117</b>	625	234V C.T. @ 2.67A	117V @ 5.34A	Dual	3.8%	Open	 226K	<b>J</b>
<b>1182Q117</b>	750	234V C.T. @ 3.21A	117V @ 6.42A	Dual	3.6%	Open	 242K	<b>K</b>
<b>1182R117</b>	1,000	234V C.T. @ 4.27A	117V @ 8.5A	Dual	3.0%	Open	 240K	<b>L</b>
<b>1182T117P</b>	1,500	234V C.T. @ 6.4A	117V @ 12.8A	Dual	2.1%	Potted	 171K	<b>M</b>
<b>1182D240</b>	30	-	240V @ 125ma	Single	12.3%	Open	 234K	<b>B</b>
<b>1182E240</b>	50	-	240V @ 208ma	Single	13.1%	Open	 234K	<b>C</b>
<b>1182F240</b>	80	-	240V @ 333ma	Single	9.9%	Open	 174K	<b>D</b>
<b>1182G240</b>	120	-	240V @ 0.5A	Single	7.9%	Open	 168K	<b>E</b>
<b>1182H240</b>	160	-	240V @ 667ma	Single	7.7%	Open	 217K	<b>F</b>
<b>1182J240</b>	225	-	240V @ 0.94A	Single	5.8%	Open	 162K	<b>G</b>
<b>1182K240</b>	300	-	240V @ 1.25A	Single	5.8%	Open	 162K	<b>H</b>
<b>1182L240</b>	500	-	240V @ 2.08A	Single	4.8%	Open	 219K	<b>I</b>
<b>1182M240</b>	625	-	240V @ 2.6A	Single	3.7%	Open	 220K	<b>J</b>

<b>1182N240</b>	750	-	240V @ 3.13A	Single	3.6%	Open	 235K	<b>K</b>
<b>1182P240</b>	1,000	-	240V @ 4.17A	Single	2.8%	Open	 174K	<b>L</b>
<b>1182Q240P</b>	1,500	-	240V @ 6.3A	Single	2.3%	Potted	 241K	<b>M</b>

### *Mechanical & Schematic Data:*

