

thyristors  $\geq 80 \text{ A}_{\text{eff}}$



| Types | I <sub>O</sub> | V <sub>RRM</sub><br>=<br>V <sub>DRM</sub> | I <sub>TSM</sub> *<br>10 ms | I <sub>RM</sub> @ V <sub>RRM</sub><br>I <sub>DM</sub> @ V <sub>DRM</sub><br>T <sub>j</sub> = 125°C<br>max<br>(mA) | T <sub>amb</sub> = 25°C       |                                |                                                     | dv/dt *<br>@ 60%<br>V <sub>DRM</sub><br>min<br>(V/μs) | Case |
|-------|----------------|-------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------|-----------------------------------------------------|-------------------------------------------------------|------|
|       |                |                                           |                             |                                                                                                                   | V <sub>GT</sub><br>max<br>(V) | I <sub>GT</sub><br>max<br>(mA) | V <sub>TM</sub> / I <sub>TM</sub><br>max<br>(V) (A) |                                                       |      |

**80 Arms /  $T_{\text{case}} = 80^{\circ}\text{C}$   $T_j = 125^{\circ}\text{C}$   $I^2 t = 5000 \text{ A}^2 \text{ s}$**

|         |    |     |      |    |     |     |     |     |     |                                                                                     |
|---------|----|-----|------|----|-----|-----|-----|-----|-----|-------------------------------------------------------------------------------------|
| TKE 801 | 50 | 100 | 1000 | 10 | 3,5 | 150 | 1,8 | 200 | 200 |  |
| TKE 802 |    | 200 |      |    |     |     |     |     |     |                                                                                     |
| TKE 804 |    | 400 |      |    |     |     |     |     |     |                                                                                     |
| TKE 806 |    | 600 |      |    |     |     |     |     |     |                                                                                     |

**120 Arms /  $T_{\text{case}} = 90^{\circ}\text{C}$   $T_j = 125^{\circ}\text{C}$   $I^2 t = 11\,250\text{ A}^2\text{ s}$**

|          |    |     |      |    |     |     |     |     |     |                                                                                                                                                                      |
|----------|----|-----|------|----|-----|-----|-----|-----|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TKE 1201 | 76 | 100 | 1500 | 10 | 3,5 | 150 | 1,8 | 500 | 200 | <br>1/2" - 20 UNF → Type number<br>+ suffix K<br>M 12 → Type number<br>+ suffix M |
| TKE 1202 |    | 200 |      |    |     |     |     |     |     |                                                                                                                                                                      |
| TKE 1204 |    | 400 |      |    |     |     |     |     |     |                                                                                                                                                                      |
| TKE 1206 |    | 600 |      |    |     |     |     |     |     |                                                                                                                                                                      |

**120 Arms /  $T_{\text{case}} = 80^{\circ}\text{C}$   $T_j = 125^{\circ}\text{C}$   $I^2 t = 9\,800\text{ A}^2\text{ s}$**

|         |    |      |      |    |   |     |   |     |     |
|---------|----|------|------|----|---|-----|---|-----|-----|
| TK 1201 |    | 100  |      |    |   |     |   |     |     |
| TK 1202 |    | 200  |      |    |   |     |   |     |     |
| TK 1204 |    | 400  |      |    |   |     |   |     |     |
| TK 1206 |    | 600  |      |    |   |     |   |     |     |
| TK 1208 | 76 | 800  | 1400 | 10 | 3 | 125 | 2 | 150 | 200 |
| TK 1210 |    | 1000 |      |    |   |     |   |     |     |
| TK 1212 |    | 1200 |      |    |   |     |   |     |     |
| TK 1214 |    | 1400 |      |    |   |     |   |     |     |
| TK 1216 |    | 1600 |      |    |   |     |   |     |     |

**150 Arms /  $T_{\text{case}} = 80^{\circ}\text{C}$   $T_j = 125^{\circ}\text{C}$   $I^2 t = 15\,300\text{ A}^2\text{ s}$**

|         |    |      |      |    |   |     |   |     |     |  |                                                                                       |
|---------|----|------|------|----|---|-----|---|-----|-----|--|---------------------------------------------------------------------------------------|
| TK 1401 |    | 100  |      |    |   |     |   |     |     |  |  |
| TK 1402 |    | 200  |      |    |   |     |   |     |     |  |                                                                                       |
| TK 1404 |    | 400  |      |    |   |     |   |     |     |  |                                                                                       |
| TK 1406 |    | 600  |      |    |   |     |   |     |     |  |                                                                                       |
| TK 1408 | 95 | 800  | 1750 | 10 | 3 | 125 | 2 | 300 | 200 |  |                                                                                       |
| TK 1410 |    | 1000 |      |    |   |     |   |     |     |  |                                                                                       |
| TK 1412 |    | 1200 |      |    |   |     |   |     |     |  |                                                                                       |
| TK 1414 |    | 1400 |      |    |   |     |   |     |     |  |                                                                                       |
| TK 1416 |    | 1600 |      |    |   |     |   |     |     |  |                                                                                       |

**180 Arms /  $T_{\text{case}} = 80^{\circ}\text{C}$     $T_j = 125^{\circ}\text{C}$     $I^2 t = 20\,000\text{ A}^2\text{ s}$**

|         |     |      |      |    |   |     |     |     |     |
|---------|-----|------|------|----|---|-----|-----|-----|-----|
| TK 1801 | 114 | 100  | 2000 | 10 | 3 | 125 | 1,5 | 300 | 200 |
| TK 1802 |     | 200  |      |    |   |     |     |     |     |
| TK 1804 |     | 400  |      |    |   |     |     |     |     |
| TK 1806 |     | 600  |      |    |   |     |     |     |     |
| TK 1808 |     | 800  |      |    |   |     |     |     |     |
| TK 1810 |     | 1000 |      |    |   |     |     |     |     |
| TK 1812 |     | 1200 |      |    |   |     |     |     |     |
| TK 1814 |     | 1400 |      |    |   |     |     |     |     |

\* @  $T_i = 125^\circ\text{C}$

