



## 国产单向可控硅 YCR 系列 型号参数对照表

| 类别                    | 型号<br>单位 | 芯片尺寸<br>mm <sup>2</sup> | I <sub>T(RMS)</sub><br>A | V <sub>DRM</sub><br>V | V <sub>RRM</sub><br>V | I <sub>GT</sub><br>mA | V <sub>TM</sub><br>V | V <sub>GT</sub><br>V | I <sub>H</sub><br>mA | I <sub>TSM</sub><br>A | dt/dt<br>V/μS | 封装外型<br>Packing |
|-----------------------|----------|-------------------------|--------------------------|-----------------------|-----------------------|-----------------------|----------------------|----------------------|----------------------|-----------------------|---------------|-----------------|
| 微<br>触<br>发<br>系<br>列 | YCR006   | 0.8×0.8                 | 0.6                      | ≥400                  | ≥400                  | ≤0.2                  | ≤1.7                 | ≤0.8                 | ≤40                  | ≥6                    | ≥10           | TO-92           |
|                       | YCR008   | 0.9×0.9                 | 0.8                      | ≥400                  | ≥400                  | ≤0.2                  | ≤1.7                 | ≤0.8                 | ≤40                  | ≥8                    | ≥10           | TO-92           |
|                       | YCR01    | 0.94×0.94               | 1                        | ≥400                  | ≥400                  | ≤0.2                  | ≤1.7                 | ≤0.8                 | ≤40                  | ≥10                   | ≥10           | TO-92           |
|                       | YCR015   | 1.3×1.3                 | 1.5                      | ≥400                  | ≥400                  | ≤0.2                  | ≤1.7                 | ≤0.8                 | ≤40                  | ≥15                   | ≥10           | TO-92           |
|                       | YCR02    | 1.5×1.5                 | 2                        | ≥400                  | ≥400                  | ≤0.2                  | ≤1.7                 | ≤0.8                 | ≤40                  | ≥20                   | ≥10           | 1               |
|                       | YCR05    | 2.1×2.1                 | 5                        | ≥400                  | ≥400                  | ≤0.2                  | ≤1.7                 | ≤0.8                 | ≤40                  | ≥50                   | ≥10           | 2               |
| 强<br>触<br>发<br>系<br>列 | YCR05M   | 2.1×2.1                 | 5                        | ≥400                  | ≥400                  | ≤25                   | ≤1.7                 | ≤1.5                 | ≤20                  | ≥50                   | ≥200          | 3               |
|                       | YCR08    | 2.5×2.5                 | 8                        | ≥400                  | ≥400                  | ≤25                   | ≤1.7                 | ≤1.5                 | ≤20                  | ≥80                   | ≥200          | TO-220          |
|                       | YCR12    | 2.9×2.9                 | 12                       | ≥400                  | ≥400                  | ≤25                   | ≤1.7                 | ≤1.5                 | ≤20                  | ≥120                  | ≥200          | TO-220          |
|                       | YCR20    | 3.5×3.5                 | 20                       | ≥400                  | ≥400                  | ≤25                   | ≤1.7                 | ≤1.5                 | ≤20                  | ≥200                  | ≥200          | TO-220          |

1: TO-92L、TO-202、TO-220;

2: TO-126、TO-202、TO-220;

3: TO-220、TO-251、TO-252

## 国产双向可控硅 YTR 系列 型号参数对照表

| 型号<br>单位 | 芯片尺寸<br>mm <sup>2</sup> | I <sub>T(RMS)</sub><br>A | V <sub>DRM</sub><br>V | V <sub>RRM</sub><br>V | I <sub>GT</sub> (mA) |                  |                  | V <sub>TM</sub><br>V | V <sub>GT</sub><br>V | I <sub>TSM</sub><br>A | dt/dt<br>V/us | 封装<br>外型 | 对应国<br>外型号 |
|----------|-------------------------|--------------------------|-----------------------|-----------------------|----------------------|------------------|------------------|----------------------|----------------------|-----------------------|---------------|----------|------------|
|          |                         |                          |                       |                       | I <sub>GT1</sub>     | I <sub>GT2</sub> | I <sub>GT3</sub> |                      |                      |                       |               |          |            |
| YTR01    | 1.3×1.3                 | 1                        | ≥400                  | ≥400                  | ≤10                  | ≤10              | ≤10              | ≤1.7                 | ≤2.2                 | ≥10                   | ≥5            | TO-92    | MAC97--    |
| YTR02    | 1.8×1.8                 | 2                        | ≥400                  | ≥400                  | ≤20                  | ≤20              | ≤20              | ≤1.7                 | ≤2.2                 | ≥20                   | ≥5            | 1        | BT132      |
| YTR04    | 2.5×2.5                 | 4                        | ≥400                  | ≥400                  | ≤30                  | ≤30              | ≤30              | ≤1.7                 | ≤2.2                 | ≥40                   | ≥5            | 2        | BT136      |
| YTR06    | 2.9×2.9                 | 6                        | ≥400                  | ≥400                  | ≤30                  | ≤30              | ≤30              | ≤1.7                 | ≤2.2                 | ≥60                   | ≥5            | TO-220   | BTA06      |
| YTR08    | 3.2×3.2                 | 8                        | ≥400                  | ≥400                  | ≤30                  | ≤30              | ≤30              | ≤1.7                 | ≤2.2                 | ≥80                   | ≥5            | TO-220   | BT137      |
| YTR10    | 3.5×3.5                 | 10                       | ≥400                  | ≥400                  | ≤30                  | ≤30              | ≤30              | ≤1.7                 | ≤2.2                 | ≥100                  | ≥5            | TO-220   | BTA10      |

1: TO-92L、TO-126、TO-220;

2: TO-220、TO-252



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