

| SemiWell Part No | Competitor 替代型号  |           |            |            |            |               |
|------------------|------------------|-----------|------------|------------|------------|---------------|
|                  | STM              | On-semi   | Toshiba    | Mistubishi | Sanken     | Philips / NXP |
| STN1A60          | Z010ZMA, Z00607M | MAC97A8   | SM1L43     | BCR1AM-12  |            | BT131         |
| STR2A60          |                  |           |            |            |            |               |
| STR4A60          | Z0410NF          |           | SM3J45     |            |            | BT134-600B/C  |
| STD4A60          | T410-35-600B     |           |            |            |            |               |
| STR4A60S         | Z0405NF          | 2N6075    | SM3JZ47    |            | TM361S-L   | BT134-600D/E  |
| STD4A60S         | T405-600B        | MAC4DHM   |            |            |            |               |
| STP4A60S         | T410-600T        |           |            |            |            | BT136-600D/E  |
| STF4A60          |                  |           |            |            |            |               |
| S 6 60 STP6A60   | 06 600BTA06-600B |           |            | CBCR5AM    | 61TM561M-L |               |
| STF6A60          | BTA06-600C       | T2500     | SM6J47     | BCR5PM-12  | TM561S-L   |               |
| STP/F8A60        | BTB/A08-600B/C   |           | SM8JZ47    | BCR8PM-12  | TM861M/S-L | BT137-600B/C  |
| STP/F12A60       | BTB/A12-600B/C   | MAC12-8FP | SM12J/LZ47 | BCR12CM12  | TM1261M/S  | BT138-600B/C  |
| STP/F16A60       | BTB/A16-600B/C   | MAC15-8FP | SM16J/LZ47 | BCR16PM-1  | TM1661M/S  | BT139-600B/C  |
| STP/F20A60       | BTB/A20-600CW    |           |            | BCR20PM-12 |            |               |
| STF25A60         | BTA26-600B       |           |            |            |            |               |
| STW25A60         | BTB26 600B       |           | SM25JZ51   | BCR30AM    | TM2561B-L  | 12BCR30AM-12  |

| SemiWell Part No | Philips / NXP | STM             | On-semi    | Teccor | Sanken |  |
|------------------|---------------|-----------------|------------|--------|--------|--|
| MCR100-6         | BT169D        | PO111DA, P010   | MCR100-6   | EC103D |        |  |
| MCR100-8         | BT169G        | X00605MA        | MCR100-8   |        |        |  |
| MCR22-8          |               | X0205MA, X020   | MCR22-8    | TC22-8 |        |  |
| SCR6C60          | BT300         | X0405MF, TYN606 |            |        | TF341M |  |
| SC CSCP10C60     |               | TYN610          | MCR12CM    |        |        |  |
| SCP12C60         | BT151         | TYN612          | 2N6404     |        |        |  |
| SCP20C60         | BT152BT152    | TYN616TYN616    | MCR25MCR25 |        |        |  |
| SCP25C60         | BT145         | TYN625          |            |        |        |  |

| SemiWell Part No | Fairchild           | IR            | ST                                 | Vishay       |  |
|------------------|---------------------|---------------|------------------------------------|--------------|--|
| SFP45N03LSFP45N  | FQP45N03L FQP45N03L |               | STP40NF03L STP40NF03L              |              |  |
| SFP50N06         | FQP50N06            | IRFZ44R       | STP60NF06                          |              |  |
| SFP30N06         | FQP30N06            | IRFZ34        | STP30N06                           |              |  |
| SFP70N06         | RFZ70N06            | IRFZ48        |                                    |              |  |
| SFD45N03L        | FQD45N03L           |               | STD40NF03L                         |              |  |
| SFS4410TSFS4410  | FDS4410FDS4410      | SI4410DYSI441 | STS11NF30L STS11NF30L              | SI4410SI4410 |  |
| SFS4936T         | FDS6912A            | IRF7313       |                                    | SI4936       |  |
| SFS9926T         |                     |               |                                    | SI9926       |  |
| SFT6968T         |                     |               |                                    | SI6968       |  |
| SFP730           | FQP7N40             | IRF730        | IRF730 / STP7NB40                  |              |  |
| SFP830SFP830     | FQP6N 0FQP6N50      | IRF830IRF830  | IRF830 / STP6NB 0IRF830 / STP6NB50 |              |  |

| MOSFET Part No# | PKG type | Replace of other Competitor |          |            | Application        | Rating     |
|-----------------|----------|-----------------------------|----------|------------|--------------------|------------|
|                 |          | Fairchild                   | IR       | ST         |                    |            |
| SFP45N03L       | TO-220   | FQP45N03L                   |          | STP40NF03L | Motherboard        | 45A/30V    |
| SFP95N03L       | TO-220   | FQP95N03L                   | IRL2203N | L          | Motherboard        | 95A/30V    |
| SFP50N06        | TO-220   | FQP50N06                    | IRFZ44R  | STP60NF06  | SMPS, DC-DC        | 50A/60V    |
| SFP30N06        | TO-220   | FQP30N06                    | IRFZ34   | STP30N06   | SMPS, DC-DC        | 30A/60V    |
| SFP60N06        | TO-220   |                             | IRFZ44V  | STP60NF06  | 36V battery E-BIKE | 60A/60V    |
| SFP70N06        | TO-220   | RFZ70N06                    | IRFZ48   | STP70N06   | SMPS, DC-DC        | 70A/60V    |
| SFP75N75        | TO-220   |                             | IRF1010E | STP75NF75  | E-BIKE;UPS         | 75A/75-80V |

|                  |              |                 |                 |                   |                              |                        |
|------------------|--------------|-----------------|-----------------|-------------------|------------------------------|------------------------|
| <b>SFP75N08</b>  | TO-220       |                 | <b>IRF1010E</b> | <b>STP75NF75</b>  | <b>E-BIKE;UPS</b>            | <b>75A/80V</b>         |
| <b>SFP60N03L</b> | TO-220       | FQP60N03L       | IRF3707         | STP60NF03L        | <b>SMPS, DC-DC</b>           | <b>60A/30V</b>         |
| <b>SFD30N06</b>  | D-PAK        | FQD30N06        |                 | STD30NF06         | <b>Motherboard</b>           | <b>23A/60V</b>         |
| <b>SFD45N03L</b> | D-PAK        | FQD45N03L       |                 | L                 | <b>Motherboard</b>           | <b>37A/30V</b>         |
| <b>SFD60N03L</b> | D-PAK        | FQD60N03L       | IRFR3703        |                   | <b>Motherboard</b>           | <b>45A/30V</b>         |
| <b>SFS9410</b>   | <b>8-SOP</b> |                 |                 |                   | Battery Pack; LCD back-light | 7.3A /30V, Single-chip |
| <b>SFS9926</b>   | <b>8-SOP</b> |                 |                 |                   | Battery Pack (Cell Phone)    | 6.5A/20V, Double-chip  |
| <b>SFS4410</b>   | <b>8-SOP</b> | <b>FDS4410</b>  | <b>SI4410DY</b> | <b>STS11NF30L</b> | Battery Pack; LCD back-light | 10A/30V, Single-chip   |
| <b>SFS4936</b>   | <b>8-SOP</b> | <b>FDS6912A</b> | <b>IRF7313</b>  |                   | Battery Switch; Load Switch  | 5.8A/30V, Double-chip  |
| <b>SFS4416</b>   | <b>8-SOP</b> | <b>FDS6690S</b> | <b>IRF7403</b>  | <b>STS9NF3LL</b>  | Battery Switch;              | 9A/30V, Single-chip    |
| <b>SFP730</b>    | TO-220       | FQP7N40         | IRF730          | STP7NB40          | ballast/SMPS                 | 6.5A/400V              |
| <b>SFP740</b>    | TO-220       |                 | IRF740          |                   | ballast/SMPS                 | 5.5A/500V              |
| <b>SFP830</b>    | TO-220       | FQP6N50         | IRF830          | STP6NB50          | ballast/SMPS                 | 10A/400V               |
| <b>SFP840</b>    | TO-220       |                 | IRF840          |                   | ballast/SMPS                 | 8A/500V                |
| <b>SFF1N60</b>   | TO-220F      |                 |                 | FQPF1N60          | SMPS                         | <b>1A/600V</b>         |
| <b>SFF2N60</b>   | TO-220F      |                 |                 | FQPF2N60          | SMPS                         | <b>2A/600V</b>         |
| <b>SFF4N60</b>   | TO-220F      |                 |                 | FQPF4N60          | SMPS                         | <b>4A/600V</b>         |
| <b>SFF7N60</b>   | TO-220F      |                 |                 | FFI7N60           | SMPS                         | <b>7A/600V</b>         |



