

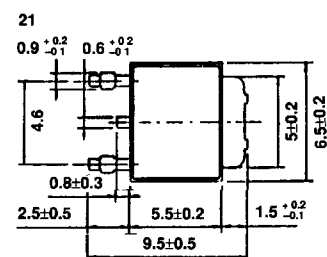
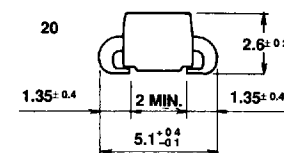
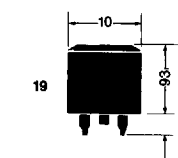
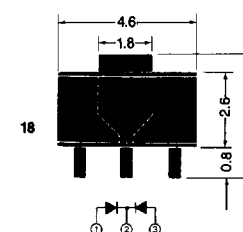
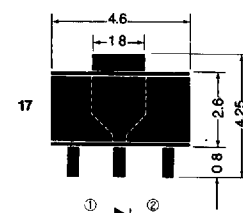
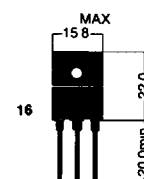
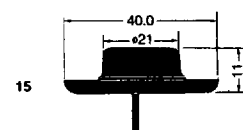
## Fast Recovery Diodes

T.03-15



## Fast Recovery "Quick Reference" Selection Guide

| PACKAGE |        | 50-100 VOLT |       |        |      | 200 VOLT        |       |        |      | 300-400 VOLT    |       |        |      |
|---------|--------|-------------|-------|--------|------|-----------------|-------|--------|------|-----------------|-------|--------|------|
|         |        | Part Number | Io(A) | trr/ns | Pkg. | Part Number     | Io(A) | trr/ns | Pkg. | Part Number     | Io(A) | trr/ns | Pkg. |
| SINGLE  | AXIAL  | ERA32-01    | 1.0   | 100    | 3    | ERA91-02        | 0.5   | 35     | 1    | ERA38-04        | 0.5   | 50     | 1    |
|         |        | ERB32-01    | 1.2   | 100    | 5    | ERA18-02        | .8    | 400    | 1    | ERB38-04        | 0.8   | 50     | 3    |
|         |        | ERC30-01    | 1.5   | 100    | 6    | ERB91-02        | 1.0   | 35     | 3    | ERC38-04        | 1.0   | 50     | 6    |
|         |        | ERD32-01    | 3.0   | 100    | 7    | ERB93-02        | 1.5   | 35     | 6    | ERD38-04        | 1.5   | 50     | 7    |
|         |        |             |       |        |      | ERC91-02        | 3.0   | 35     | 7    | ERA22-04        | 0.5   | 400    | 1    |
|         |        |             |       |        |      | ERB35-02        | 1.0   | 100    | 4    | ERB43-04        | 0.5   | 400    | 3    |
|         |        |             |       |        |      | ERB32-02        | 1.2   | 100    | 5    | ERA18-04        | 0.8   | 400    | 1    |
|         |        |             |       |        |      | ERC30-02        | 1.5   | 100    | 6    | ERB44-04        | 1.0   | 400    | 3    |
|         |        |             |       |        |      | ERD33-02        | 2.0   | 100    | 8    | ERC25-04        | 1.2   | 400    | 6    |
|         |        |             |       |        |      | ERC35-02        | 2.5   | 100    | 7    | ERD28-04        | 1.5   | 400    | 7    |
| DUAL    | TO-220 |             |       |        |      | ERD32-02        | 3.0   | 100    | 7    | ERD29-04        | 2.5   | 400    | 8    |
|         |        |             |       |        |      | ERA22-02        | 0.5   | 400    | 1    |                 |       |        |      |
|         |        |             |       |        |      | ERB43-02        | 0.5   | 400    | 3    |                 |       |        |      |
|         |        |             |       |        |      | ERA92-02        | 1.0   | 35     | 1    |                 |       |        |      |
|         |        |             |       |        |      | ERB44-02        | 1.0   | 400    | 3    |                 |       |        |      |
|         |        |             |       |        |      | ERD29-02        | 2.5   | 400    | 8    |                 |       |        |      |
|         |        |             |       |        |      | ERC90-02        | 5.0   | 35     | 9    | ERC20-04        | 5.0   | 400    | 9    |
|         |        |             |       |        |      | ERC90-02B       | 8.0   | 35     | 9    |                 |       |        |      |
|         |        |             |       |        |      | ERC20-02        | 5.0   | 400    | 9    |                 |       |        |      |
|         |        |             |       |        |      | ERC90M-02       | 5.0   | 35     | 13   | ERC20M-04       | 5.0   | 400    | 13   |
|         |        |             |       |        |      | ERC20M-02       | 5.0   | 400    | 13   |                 |       |        |      |
| DUAL    | F-PACK |             |       |        |      | ESAB92-02       | 5.0   | 35     | 11   | ESAC39-04C,N,D  | 5.0   | 50     | 11   |
|         |        |             |       |        |      | ESAC92-02       | 10.0  | 35     | 11   | ESAC25-04C,N,D  | 10.0  | 400    | 11   |
|         |        |             |       |        |      | ESAC92-02B      | 16.0  | 35     | 11   |                 |       |        |      |
|         |        |             |       |        |      | ESAB33-02CS     | 5.0   | 100    | 11   |                 |       |        |      |
|         |        |             |       |        |      | ESAC33-02C,N,D  | 8.0   | 100    | 11   |                 |       |        |      |
|         |        |             |       |        |      | ESAC33-02CS     | 10.0  | 100    | 11   |                 |       |        |      |
|         |        |             |       |        |      | ESAC31-02C,N,D  | 10.0  | 300    | 11   |                 |       |        |      |
|         |        |             |       |        |      | ESAC25-02C,N,D  | 10.0  | 400    | 11   |                 |       |        |      |
|         |        |             |       |        |      | ESAB92M-02      | 5.0   | 35     | 14   | ESAB92M-03      | 5.0   | 35     | 14   |
|         |        |             |       |        |      | ESAC92M-02      | 10.0  | 35     | 14   | ESAC92M-03      | 10.0  | 35     | 14   |
| DUAL    | TO-3   |             |       |        |      | ESAC93M-02      | 12.0  | 35     | 16   | ESAC93M-03      | 12.0  | 35     | 16   |
|         |        |             |       |        |      | ESAD92M-02      | 20.0  | 40     | 16   | ESAD92M-03      | 20.0  | 40     | 16   |
|         |        |             |       |        |      | ESAB34M-02C     | 5.0   | 100    | 14   | ESAC39M-04C,N,D | 5.0   | 50     | 14   |
|         |        |             |       |        |      | ESAC33M-02C,N,D | 8.0   | 100    | 14   | ESAC25M-04C,N,D | 10.0  | 400    | 14   |
|         |        |             |       |        |      | ESAC34M-02C     | 10.0  | 100    | 14   |                 |       |        |      |
|         |        |             |       |        |      | ESAC25M-02C,N,D | 10.0  | 400    | 14   |                 |       |        |      |
|         |        |             |       |        |      | ESAC75-02       | 8.0   | 300    | 15   |                 |       |        |      |
|         |        |             |       |        |      | ESAD75-02       | 16.0  | 300    | 15   |                 |       |        |      |
|         |        |             |       |        |      | ESAC93-02       | 12.0  | 35     | 12   | ESAD39-04C,N,D  | 10.0  | 50     | 12   |
|         |        |             |       |        |      | ESAD92-02       | 20.0  | 40     | 12   | ESAD25-04C,N,D  | 15.0  | 400    | 12   |
| DUAL    | TO-3P  |             |       |        |      | ESAD92-02B      | 30.0  | 40     | 12   | ESAD95-04       | 20.0  | 60     | 12   |
|         |        |             |       |        |      | ESAD51-02C,N,D  | 20.0  | 60     | 12   |                 |       |        |      |
|         |        |             |       |        |      | ESAD33-02C,N,D  | 15.0  | 100    | 12   |                 |       |        |      |
|         |        |             |       |        |      | ESAD33-02CS     | 20.0  | 100    | 12   |                 |       |        |      |
|         |        |             |       |        |      | ESAD25-02C,N,D  | 15.0  | 400    | 12   |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
| SINGLE  | AXIAL  |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
| DUAL    | TO-220 |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
| DUAL    | F-PACK |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |
|         |        |             |       |        |      |                 |       |        |      |                 |       |        |      |



Note:  
See Page 12 for additional  
package drawings.

## New Surface Mount

NOTE: F-Pack is full mold package

| PACKAGE |               | 200-300 VOLT |       |        |      | 400 VOLT    |       |        |      | 600 VOLT    |       |        |      |
|---------|---------------|--------------|-------|--------|------|-------------|-------|--------|------|-------------|-------|--------|------|
|         |               | Part Number  | Io(A) | trr/ns | Pkg. | Part Number | Io(A) | trr/ns | Pkg. | Part Number | Io(A) | trr/ns | Pkg. |
| SINGLE  | SURFACE MOUNT | SC201-2      | 5     | 400    | 20   | SC311-4     | 5     | 50     | 20   | SC311-6     | 5     | 50     | 20   |
|         |               | SC211-2      | 8     | 400    | 20   | SC201-4     | .5    | 400    | 20   | SC201-6     | .5    | 400    | 20   |
|         |               | SL012        | 1.0   | 35     | 17   | SC211-4     | .8    | 400    | 20   |             |       |        |      |
|         |               | SC902-02     | 1.0   | 35     | 20   |             |       |        |      |             |       |        |      |
|         |               | SC321        | 1.0   | 100    | 20   |             |       |        |      |             |       |        |      |
| DUAL    |               | KS923C2      | 5.0   | 35     | 21   |             |       |        |      |             |       |        |      |
|         |               | TS902C2      | 10.0  | 35     | 19   |             |       |        |      |             |       |        |      |
|         |               | TS902C3      | 10.0  | 35     | 19   |             |       |        |      |             |       |        |      |

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