

## Fast recovery silicon diodes. 2 Amp. to 3 Amps.

The plastic material carries U L recognition 94V-O.

| Type | Average Rectified Current |                      | Peak Inverse Voltage | Repetitive Peak Forward Current | Surge Forward Current | Max. Forward Voltage Drop at $T_A = 25^\circ\text{C}$ |     | Max. Reverse Current at $T_A = 25^\circ\text{C}$ | Max. Reverse Recovery Time |
|------|---------------------------|----------------------|----------------------|---------------------------------|-----------------------|-------------------------------------------------------|-----|--------------------------------------------------|----------------------------|
|      | $I_{T(AV)}$ at $T_A$      |                      | $V_{RRM}$            | $I_{FRM}$                       | $I_{FSM}$             | $V_F$ at $I_{F(AV)}$                                  |     | $I_R$                                            | $t_{rr}$ (1)               |
|      | (A)                       | ( $^\circ\text{C}$ ) | (V)                  | (A)                             | (A)                   | (V)                                                   | (A) | ( $\mu\text{A}$ )                                | (ns)                       |

### BY290 Series. 2 AMP. Plastic Case: DO-201 AD. Outline: 3

|        |     |    |      |    |    |     |     |    |     |
|--------|-----|----|------|----|----|-----|-----|----|-----|
| BY296  | 2.0 | 50 | 100  | 10 | 70 | 1.3 | 2.0 | 10 | 250 |
| BY297  | 2.0 | 50 | 200  | 10 | 70 | 1.3 | 2.0 | 10 | 250 |
| BY298  | 2.0 | 50 | 400  | 10 | 70 | 1.3 | 2.0 | 10 | 250 |
| BY299  | 2.0 | 50 | 800  | 10 | 70 | 1.3 | 2.0 | 10 | 250 |
| BY299S | 2.0 | 50 | 1000 | 10 | 70 | 1.3 | 2.0 | 10 | 250 |

### BY390 Series. 3 AMP. Plastic Case: DO-201 AD. Outline: 3

|        |     |    |      |    |     |     |     |    |     |
|--------|-----|----|------|----|-----|-----|-----|----|-----|
| BY396  | 3.0 | 50 | 100  | 15 | 100 | 1.3 | 3.0 | 10 | 250 |
| BY397  | 3.0 | 50 | 200  | 15 | 100 | 1.3 | 3.0 | 10 | 250 |
| BY398  | 3.0 | 50 | 400  | 15 | 100 | 1.3 | 3.0 | 10 | 250 |
| BY399  | 3.0 | 50 | 800  | 15 | 100 | 1.3 | 3.0 | 10 | 250 |
| BY399S | 3.0 | 50 | 1000 | 15 | 100 | 1.3 | 3.0 | 10 | 250 |

### MR850 Series. 3 AMP. Plastic Case: DO-201 AD. Outline: 3

|       |     |    |     |    |     |      |     |    |     |
|-------|-----|----|-----|----|-----|------|-----|----|-----|
| MR850 | 3.0 | 90 | 50  | 15 | 100 | 1.25 | 3.0 | 10 | 150 |
| MR851 | 3.0 | 90 | 100 | 15 | 100 | 1.25 | 3.0 | 10 | 150 |
| MR852 | 3.0 | 90 | 200 | 15 | 100 | 1.25 | 3.0 | 10 | 150 |
| MR854 | 3.0 | 90 | 400 | 15 | 100 | 1.25 | 3.0 | 10 | 150 |
| MR856 | 3.0 | 90 | 600 | 15 | 100 | 1.25 | 3.0 | 10 | 150 |

Note:

(1) Reverse recovery test conditions:  $I_F = 0.5 \text{ A}$ ;  $I_R = 1 \text{ A}$  with  $I_{RR} = 0.25 \text{ A}$ .