

■ Schottky Barrier Diodes (SBD) (For Power)

| Category | Type No. | Main Characteristics (Ta = 25 °C) | | | | | Package | |
|---------------------|------------|--------------------------------------|---------------------------|----------------------------|--------------------------------|------------------------|-----------|-----|
| | | V _R (V) | I _{F(AV)} (A) | V _F max. (V) | t _{rr} * typ. (ns) | I _R (mA) | | No. |
| Cathode common type | MA749/A | 40/45 | 5 | 0.55 | 11 | 1 | TO-220(F) | D59 |
| | △ MA7D49/A | 40/45 | 5 | 0.55 | — | 1 | TO-220D | D62 |
| | MA750/A | 40/45 | 10 | 0.55 | 15 | 3 | TO-220(F) | D59 |
| | △ MA7D50/A | 40/45 | 10 | 0.55 | — | 3 | TO-220D | D62 |
| | MA752/A | 40/45 | 20 | 0.55 | 30 | 5 | TO-220(F) | D59 |
| | △ MA7D52/A | 40/45 | 20 | 0.55 | — | 5 | TO-220D | D62 |
| | MA751/A | 40/45 | 20 | 0.55 | 30 | 5 | TOP-3F(a) | D67 |
| | MA753/A | 40/45 | 5 | 0.55 | — | 1 | N Type | D47 |
| | MA755 | 60 | 5 | 0.55 | 11 | 1 | TO-220(F) | D59 |
| | △ MA7D55 | 60 | 5 | 0.58 | — | 1 | TO-220D | D62 |
| | MA756 | 60 | 10 | 0.55 | 15 | 3 | TO-220(F) | D59 |
| | △ MA7D56 | 60 | 10 | 0.58 | — | 3 | TO-220D | D62 |
| | MA760 | 90 | 5 | 0.85 | 11 | 1 | TO-220(F) | D59 |
| | △ MA7D60 | 90 | 5 | 0.80 | — | 1 | TO-220D | D62 |
| | MA761 | 90 | 10 | 0.85 | 15 | 3 | TO-220(F) | D59 |
| | △ MA7D61 | 90 | 10 | 0.85 | — | 3 | TO-220D | D62 |
| | MA762 | 90 | 20 | 0.85 | 30 | 5 | TOP-3F(a) | D67 |
| | MA768 | 150 | 5 | 0.85 | — | 1 | TO-220(F) | D59 |
| | △ MA7D68 | 150 | 5 | 0.85 | — | 1 | TO-220D | D62 |
| | MA769 | 150 | 10 | 0.85 | — | 3 | TO-220(F) | D59 |
| △ MA7D69 | 150 | 10 | 0.55 | — | 3 | TO-220D | D62 | |

Package: (F) = Full Pack Package △ Preliminary

■ PIN Diodes

| Type No. | V _R (V) | I _F (mA) | C _D max. (pF) | r ₁₁ typ. | | r ₁₂ max. (Ω) | Package | No. |
|----------|-----------------------|------------------------|--------------------------------|-------------------------|------------------------|--------------------------------|--|-----|
| | | | | I _F (μA) | I _F (mA) | | | |
| MA551 | 40 | 100 | 0.5 | 10 | 2 | 10 | Mini Type (3 pins) | D10 |
| △ MA558 | 40 | 100 | 0.5 | — | 2 | 10 | Mini Type (3 pins) | D10 |
| MA553 | 40 | 100 | 0.4 typ. | 10 | 2 | 10 | M Type | D40 |
| MA555 | 40 | 100 | 0.5 | 10 | 2 | 10 | Mini Type (3 pins) 2 elements contained | D10 |
| MA556 | 40 | 100 | 0.5 | 10 | 2 | 10 | Mini Type (6 pins) 3 elements contained | D13 |
| MA557 | 40 | 100 | 0.5 | 10 | 2 | 10 | Mini Type (3 pins) | D10 |

△ Preliminary

■ Triggers

| Type No. | P _{DAV} (mA) | I _P (A) | T _{opr} (°C) | V _{BO} | | | I _{BO} | | |
|----------|--------------------------|-----------------------|--------------------------|------------------------|-------------|-------------|-----------------------|--------------|--------------|
| | | | | I _B (μA) | min. (V) | max. (V) | V _B (V) | typ. (μA) | max. (μA) |
| MA64 | 150 | 2 ¹⁾ | 100 | I _B 0 | 28 | 36 | V _B 0 | 10 | 100 |

1) Ta = 25 °C, t_i < 10 μs, f = 60Hz Package: DO-35(D29)

■ Fast Recovery Diodes (FRD)

| Category | Type No. | Main Characteristics (Ta = 25 °C) | | | | Package | | |
|---------------------|------------------|--------------------------------------|---------------------------|----------------------------|------------------------------|---------------------|-----------|-----|
| | | V _{RRM} (V) | I _{F(AM)} (A) | V _F max. (V) | t _{rr} max. (ns) | | No. | |
| Cathode common type | △ MA629 | 200 | 3 | 1.0 | 45 | MT-4 | D46 | |
| | MA649/650 | 200 | 5/10 | 1.0 | 100 | TO-220(F) | D59 | |
| | △ MA6D49/50 | 200 | 5/10 | 0.98 | 30 | TO-220D | D62 | |
| | MA661/651 | 200 | 10/20 | 1.0 | 100 | TOP-3F(a) | D67 | |
| | △ MA6D51/52 | 200 | 20 | 0.98 | 40 | TO-220D | D62 | |
| | MA652 | 200 | 20 | 1.0 | 100 | TO-220(F) | D59 | |
| | MA653/654 | 300 | 5/10 | 1.0 | 100 | TO-220(F) | D59 | |
| | △ MA6D53/54 | 300 | 5/10 | 0.98 | 50 | TO-220D | D62 | |
| | MA655 | 300 | 20 | 1.0 | 100 | TOP-3F(a) | D67 | |
| | MA693/694 | 400 | 5/10 | 1.0 | 100 | TO-220(F) | D69 | |
| | △ MA6D93/94 | 400 | 5/10 | 1.0 | 100 | TO-220D | D62 | |
| | MA695 | 400 | 20 | 1.0 | 100 | TOP-3F(c) | D68 | |
| | Single chip type | MA689/690 | 200 | 2.5/5 | 1.0 | 100 | TO-220(F) | D59 |
| | | MA6D89/90 | 200 | 2.5/5 | 1.0 | 100 | TO-220D | D62 |
| MA691 | | 200 | 10 | 1.0 | 100 | TOP-3F(e) | D70 | |
| | MA643 | 200 | 1 | 0.98 | — | New Mini Power Type | D15 | |

Package: (F) = Full Pack Package △ Preliminary