

HERMETIC SURFACE MOUNT SCHOTTKY RECTIFIERS (Single)

| TYPE NUMBER | PEAK INVERSE VOLTAGE | MAXIMUM DC OUTPUT CURRENT T _c = 100°C ① | MAXIMUM FORWARD VOLTAGE | | | | MAXIMUM REVERSE CURRENT AT PIV | | MAXIMUM JUNCTION CAPACITANCE V _r = 5V 0.1 ≤ f ≤ 1 MHz | MAXIMUM THERMAL RESISTANCE ② | PACKAGE STYLE |
|-------------|----------------------|--|-------------------------|------|-------|------|--------------------------------|------------------|--|---------------------------------|---------------|
| | | | 25°C | | 125°C | | 25°C | 125°C | | | |
| | | | VOLTS | AMPS | VOLTS | AMPS | MA | MA | | | |
| SHD1151 | 30 | 60 | .55 | 60 | .49 | 60 | 5.0 | 200 ^③ | 3700 | 0.35 | SHD-2 |
| SHD1151A | 30 | 60 | .55 | 60 | .49 | 60 | 5.0 | 200 ^③ | 3700 | 0.35 | SHD-2A |
| SHD1151B | 30 | 60 | .55 | 60 | .49 | 60 | 5.0 | 200 ^③ | 3700 | 0.35 | SHD-2B |
| SHD1151C | 30 | 60 | .55 | 60 | .49 | 60 | 5.0 | 200 ^③ | 3700 | 0.80 | SHD-2C |
| SHD1141 | 30 | 110 | .53 | 110 | .43 | 110 | 7.5 | 400 ^③ | 7500 | 0.20 | SHD-3 |
| SHD1141A | 30 | 110 | .53 | 110 | .43 | 110 | 7.5 | 400 ^③ | 7500 | 0.20 | SHD-3A |
| SHD1141B | 30 | 110 | .53 | 110 | .43 | 110 | 7.5 | 400 ^③ | 7500 | 0.20 | SHD-3B |
| SHD1141C | 30 | 110 | .53 | 110 | .43 | 110 | 7.5 | 400 ^③ | 7500 | 0.45 | SHD-3C |
| SHD1162 | 45 | 10 | .55 | 10 | .49 | 10 | 2.0 | 15 | 1000 | 0.85 | SHD-1 |
| SHD1162A | 45 | 10 | .55 | 10 | .49 | 10 | 2.0 | 15 | 1000 | 0.85 | SHD-1A |
| SHD1162B | 45 | 10 | .55 | 10 | .49 | 10 | 2.0 | 15 | 1000 | 0.85 | SHD-1B |
| SHD1162C | 45 | 10 | .55 | 10 | .49 | 10 | 2.0 | 15 | 1000 | 1.40 | SHD-1C |
| SHD1152 | 45 | 75 | .74 | 75 | .70 | 75 | 5.0 | 45 | 2600 | 0.35 | SHD-2 |
| SHD1152A | 45 | 75 | .74 | 75 | .70 | 75 | 5.0 | 45 | 2600 | 0.35 | SHD-2A |
| SHD1152B | 45 | 75 | .74 | 75 | .70 | 75 | 5.0 | 45 | 2600 | 0.35 | SHD-2B |
| SHD1152C | 45 | 75 | .74 | 75 | .70 | 75 | 5.0 | 45 | 2600 | 0.80 | SHD-2C |
| SHD1142 | 45 | 150 | .75 | 150 | .65 | 150 | 5.0 | 150 | 5000 | 0.20 | SHD-3 |
| SHD1142A | 45 | 150 | .75 | 150 | .65 | 150 | 5.0 | 150 | 5000 | 0.20 | SHD-3A |
| SHD1142B | 45 | 150 | .75 | 150 | .65 | 150 | 5.0 | 150 | 5000 | 0.20 | SHD-3B |
| SHD1142C | 45 | 150 | .75 | 150 | .65 | 150 | 5.0 | 150 | 5000 | 0.45 | SHD-3C |
| SHD1164 | 100 | 10 | .75 | 10 | .63 | 10 | 1.0 | 10 | 600 | 0.85 | SHD-1 |
| SHD1164A | 100 | 10 | .75 | 10 | .63 | 10 | 1.0 | 10 | 600 | 0.85 | SHD-1A |
| SHD1164B | 100 | 10 | .75 | 10 | .63 | 10 | 1.0 | 10 | 600 | 0.85 | SHD-1B |
| SHD1164C | 100 | 10 | .75 | 10 | .63 | 10 | 1.0 | 10 | 600 | 1.40 | SHD-1C |
| SHD1154 | 100 | 60 | .90 | 60 | .83 | 60 | 1.5 | 20 | 1400 | 0.35 | SHD-2 |
| SHD1154A | 100 | 60 | .90 | 60 | .83 | 60 | 1.5 | 20 | 1400 | 0.35 | SHD-2A |
| SHD1154B | 100 | 60 | .90 | 60 | .83 | 60 | 1.5 | 20 | 1400 | 0.35 | SHD-2B |
| SHD1154C | 100 | 60 | .90 | 60 | .83 | 60 | 1.5 | 20 | 1400 | 0.80 | SHD-2C |
| SHD1144 | 100 | 120 | .90 | 120 | .73 | 120 | 5.0 | 100 | 2700 | 0.20 | SHD-3 |
| SHD1144A | 100 | 120 | .90 | 120 | .73 | 120 | 5.0 | 100 | 2700 | 0.20 | SHD-3A |
| SHD1144B | 100 | 120 | .90 | 120 | .73 | 120 | 5.0 | 100 | 2700 | 0.20 | SHD-3B |
| SHD1144C | 100 | 120 | .90 | 120 | .73 | 120 | 5.0 | 100 | 2700 | 0.45 | SHD-3C |

① Maximum DC output current with cathode side of package maintained at 100°C.

② Maximum thermal resistance junction to mounting surface (cathode).

③ TC = 110°C.